

GenCore version 5.1.9  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: September 18, 2006, 01:17:09 / Search time 311 Seconds  
(without alignments)  
3059.353 Million cell updates/sec

Title: US-10-785-135-2

Perfect score: 1755

Sequence: 1 MKEAGQMNTLESARAGRSYS.....RHCMQARLLAYRTGELHRS 339

Scoring table:

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Xgapop 10.0 , Xgapext 0.5  
Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 1403666 seqs, 935554401 residues

Total number of hits satisfying chosen parameters: 2807332

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%  
Listing first 45 summaries

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Database : Issued Patents NA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	1755	100.0	1585	US-09-802-371-1	Sequence 1, Appli
3	767	43.7	1555	US-09-227-357-25	Sequence 25, Appli
4	767	43.7	1555	US-09-973-278-37	Sequence 37, Appli
5	640	36.5	489	US-09-513-999C-4059	Sequence 4059, Ap
6	586	33.4	477	US-09-621-976-132	Sequence 132, App
7	119.5	6.8	5567	US-08-899-241-1	Sequence 1, Appli
8	117.5	6.7	1092	US-09-902-540-9217	Sequence 9217, Ap

9	117.5	6.7	13234	US-09-902-540-986	Sequence 986, App
10	112.5	6.4	1032	US-09-710-279-1625	Sequence 1625, App
11	112.5	6.4	1032	US-09-710-279-1963	Sequence 1963, App
12	112.5	6.4	1053	US-09-134-01C-2313	Sequence 2313, App
13	112.5	6.4	3227	US-09-710-279-3688	Sequence 3688, App
14	112.5	6.4	3618	US-09-710-279-3387	Sequence 3387, App
15	110	6.3	1830121	US-09-557-884-1	Sequence 1, Appli
16	110	6.3	1830121	US-09-643-990A-1	Sequence 1, Appli
17	110	6.3	1830121	US-10-158-865-1	Sequence 1, Appli
18	109.5	6.2	688	US-09-710-279-4170	Sequence 4170, App
19	109.5	6.2	2902	US-09-974-300-592	Sequence 592, App
20	106.5	6.1	566	US-08-956-171E-142	Sequence 142, App
21	103	5.9	7588	US-08-781-986A-142	Sequence 341, App
22	103	5.9	7588	US-08-781-986A-142	Sequence 142, App
23	101	5.8	510	US-09-543-681A-354	Sequence 364, App
24	101	5.8	1644	US-09-252-991A-10161	Sequence 10161, A
25	99	5.6	807	US-09-252-991A-9914	Sequence 9914, Ap
26	99	5.6	1248	US-09-252-991A-10096	Sequence 10096, A
27	99	5.6	1248	US-09-023-655-1323	Sequence 1323, Ap
28	98.5	5.6	516	US-09-134-000C-341	Sequence 288, App
29	98.5	5.6	669	US-09-221-017B-288	Sequence 1, Appli
30	98.5	5.6	994	US-09-864-675-1	Sequence 2102, Ap
31	98.5	5.6	3735	US-09-543-681A-2102	Sequence 2273, Ap
32	98	5.6	258	US-09-134-001C-2273	Sequence 4971, App
33	98	5.6	4026	US-09-248-796A-4571	Sequence 236, App
34	97.5	5.6	1351	US-09-221-017B-236	Sequence 4, Appli
35	97.5	5.6	5822	US-08-899-595-4	Sequence 5, Appli
36	97.5	5.6	5822	US-08-899-595-5	Sequence 2160, Ap
37	97	5.5	795	US-09-543-681A-2160	Sequence 1, Appli
38	97	5.5	1029	US-08-978-456-1	Sequence 1, Appli
39	97	5.5	1029	US-09-369-700-1	Sequence 13753, A
40	97	5.5	2899	US-09-270-767-13753	Sequence 7, Appli
41	97	5.5	3336	US-08-977-456-7	Sequence 7, Appli
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44	97	5.5	3336	US-09-369-700-7	Sequence 7, Appli
45	97	5.5	3336	US-09-227-806-7	Sequence 7, Appli

#### ALIGNMENTS

RESULT 1  
US-09-802-371-3  
; Sequence 3, Application US/09802371  
; Patent No. 6723533  
; GENERAL INFORMATION:  
; APPLICANT: Meyers, Rachel  
; APPLICANT: Rudolph-Owen, Laura  
; TITLE OF INVENTION: 26934, A No. 6723533el Cytidine Deaminase-Like  
; FILE REFERENCE: 35800/213921  
; CURRENT APPLICATION NUMBER: US/09/802,371  
; PRIOR FILING DATE: 2001-03-09  
; PRIOR APPLICATION NUMBER: 60/186,294  
; PRIOR FILING DATE: 2000-03-10  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 1017  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-802-371-3

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Pred. No.: 8.56e-213  
Score: 1755.00  
Percent Similarity: 100.0%  
Beet Local Similarity: 100.0%  
Query Match: 100.0%  
DB: 3  
Matches: 1017  
Conservative: 339  
Mismatches: 0  
Indels: 0  
Gaps: 0

US-10-785-135-2 (1-339) x US-09-802-371-3 (1-1017)

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Qy      1 MetLysGluAlaGlyGlnMetGlnAsnLeuGlnSerAlaArgAlaGlyArgSerValSer 20
Db      1 ATGAAGAAGCTGGGACAGATCAAAATCTGAGAGCGGAGCGGCGGCGTCACTCAGC 60
Qy      21 ThrGlnThrGlySerMetThrGlyGlnIleProArgLeuSerIleValAsnLeuPheThr 40
Db      61 ACCGAGACTGGCAGACATGACCGGTGATGACCAAGGCTTTCTTAAAGTCACCTTTTCACT 120
Qy      41 LeuLeuSerLeuTpmMetGlnLeuPheProAlaGluAlaGlnArgGlnIleSerGlnLys 60
Db      121 CTGCTCAGCTCTTGGATGAGACTCTTTCCAGCAGAAAGCCGCGGCAAAATCTCAGAAA 180
Qy      61 AsnGluGluGlyLysHISGlyProLeuGlyAspAsnGluArgGlnThrArgValSerThr 80
Db      181 AATGAGAGGGGAAAGCATGACCCCTTAGAGATATGAGAGAGAGACAGAGATCTACT 240
Qy      81 AspLysArgGlnValLysArgThrGlyLeuValValLysAsnMetLysIleValGly 100
Db      241 GACAAAAGACAGGTAAAGAGAACTGTGTGTGTGTAAGAAAACATGAAAATTTGTGTG 300
Qy      101 LeuHISGlySerSerGluAspLeuHISAlaGlyGlnIleAlaLeuIleLysHISGlySer 120
Db      301 CTCACACTCTTCTATGAGATTTACATGCCGCGGAGATGCTCTTATTAACATGGGTCA 360
Qy      121 ArgLeuLysAsnCyAspLeuTyrPheSerArgLysProCySerAlaCySLeuLysMet 140
Db      361 AGGCTGAAAACTGTGATCTTTATTTTCCAGAAAACCATGCTGCTGTGTGTAATAATG 420
Qy      141 IleValAsnAlaGlyValAsnArgIleSerTyrTrpProAlaAspProGlnIleSerLeu 160
Db      421 ATTGTAAATGTGAGATTAACCGAATTCATATGCGCTGTGATCCGAAATATGATTTG 480
Qy      161 LeuThrGluAlaSerSerSerGluAspAlaLysLeuAspAlaLysAlaValAlaGluArgLeu 180
Db      481 CTTCAGGAGGCTTCTAGTTCTGAGAGATGCAAGTTAGTGCACAAAGCAGTGGAAAGTTG 540
Qy      181 LysSerAsnSerArgAlaHISValCySValLeuLeuGlnProLeuValCySLeuMetVal 200
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Qy      201 GluPheValGluGlnThrSerTyrLysCySAspPheIleGlnLysIleThrLysThrLeu 220
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Qy      221 ProAspAlaAsnThrAspPheTyrTyrGlnCySAsnGlnArgIleLysGluTyrGln 240
Db      661 CCGGATGCTAACATGACTTTATTAATGATGTAACAGAGAAATTAAGATATGAA 720
Qy      241 MetLeuPheLeuValSerAsnGluGluMetHisLysGlnIleLeuMetThrIleGlyLeu 260
Db      721 ATGTTATTTTGTGTTTCAATGAGAAATGATTAAGCAATATGATGACTATATGCTTTG 780
Qy      261 GluAsnLeuCySAsnProTyrPheSerAsnLeuArgGlnAsnMetLysAspLeuIle 280
Db      781 GAGAACTGTGTGAAATTCATCTTTTACATTTTAAAGCAAAACATGAAAGACTTATTC 840
Qy      281 LeuLeuLeuAlaThrValAlaSerSerValProAsnPheLysHISpHeGlyPheTyrArg 300
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Qy      321 HisCySmetValGlnAlaArgLeuLeuAlaTyrArgThrGlyGluLeuHISArgSer 339
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RESULT 2  
 US-09-802-371-1  
 ; Sequence 1, Application US/09802371  
 ; Patent No. 6723533  
 ; GENERAL INFORMATION:

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; APPLICANT: Meyers, Rachel
; APPLICANT: Rudolph-Owen, Laura
; TITLE OF INVENTION: 26934, A No. 6723533el Cytidine Deaminase-Like
; TITLE OF INVENTION: Molecule and Uses Thereof
; FILE REFERENCE: 35800/213921
; CURRENT APPLICATION NUMBER: US/09/802,371
; PRIOR FILING DATE: 2001-03-09
; PRIOR FILING DATE: 2000-03-10
; NUMBER OF SEQ. ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1585
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (149) ... (1165)
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1585)
; OTHER INFORMATION: n = A,T,C or G
US-09-802-371-1

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Alignment Scores:
Pred. No.: 1.8e-212 Length: 1585
Score: 1755.00 Matches: 339
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 100.0% Indels: 0
DB: 3 Gaps: 0

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US-10-785-135-2 (1-339) x US-09-802-371-1 (1-1585)

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Db      389 GACAAAAGACAGGTAAAGAGAACTGTGTGTGTGTAAGAAAACATGAAAATTTGTGTG 448
Qy      101 LeuHISGlySerSerGluAspLeuHISAlaGlyGlnIleAlaLeuIleLysHISGlySer 120
Db      449 CTCACACTCTTCTATGAGATTTACATGCCGCGGAGATGCTCTTATTAACATGGGTCA 508
Qy      121 ArgLeuLysAsnCyAspLeuTyrPheSerArgLysProCySerAlaCySLeuLysMet 140
Db      509 AGGCTGAAAACTGTGATCTTTATTTTCCAGAAAACATGTTCTGCTTGTGAAATG 568
Qy      141 IleValAsnAlaGlyValAsnArgIleSerTyrTrpProAlaAspProGlnIleSerLeu 160
Db      569 ATTGTAAATGCTGAGATTAACCAAAATTCATATGCGCTGTGTATCCAGAAATTAAGTTG 628
Qy      161 LeuThrGluAlaSerSerSerGluAspAlaLysLeuAspAlaLysAlaValAlaGluArgLeu 180
Db      629 CTTCAGGAGCTTCTATGATTCGAAATGCAAACTTGATGCCAAAGCAGGAAAGTTG 688
Qy      181 LysSerAsnSerArgAlaHISValCySValLeuLeuGlnProLeuValCySLeuMetVal 200
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 QY 221 ProAspAlaAnThrAspPheTyrTgIuCySlySngIuArGIlElyGluTyrSlu 240  
 DB 809 CCGGATGTACACGACGCTTTTATATGATGTAAACAGAAAGATTAAGATATATA 868  
 QY 241 MetIeuPheIuValSerAsnGluGluMetHisIySngIuIleLeuMetThrIlEgIyLeu 260  
 DB 869 ATGTATATTTGGTTTCAATGAGAAATGCAATTAAGCAATATCTATGATAGTTTG 928  
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 DB 929 GAGAACCTGTGTGAAATCCATCTTATGCAATCTTAAGCAAAACATTAAGACCTTATC 988  
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 QY 301 SerAsnProGluGlnIleAsnGluIleHisAsnGlnSerIeuProGlnIuIleAlaArg 320  
 DB 1049 AGCAATCCAGAACGATTAATGAATTCACATCAATCAAACTTTGCCACAGAAATTGCAAG 1108  
 QY 321 HisCySmetValGlnAlaArgLeuIeuAlaTyrArgThrGlyGluLeuHisArgSer 339  
 DB 1109 CACTGCATGTGTACGCGCCAGGTATTTGCAATATGAACTGTGTGATTAATAGATCG 1165

## RESULT 3

US-09-227-357-25

Sequence 25, Application US/09227357  
 Patent No. 6342581

GENERAL INFORMATION:  
 APPLICANT: Fiescher et al.

TITLE OF INVENTION: 123 Human Secreted Proteins  
 FILE REFERENCE: P2010P1

CURRENT APPLICATION NUMBER: US/09/227,357  
 CURRENT FILING DATE: 1999-01-08

EARLIER APPLICATION NUMBER: PCT/US98/13684  
 EARLIER FILING DATE: 1998-07-07

EARLIER APPLICATION NUMBER: 60/051,926  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,793  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,925  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,929  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,803  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,732  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,931  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,932  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,916  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,930  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,918  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,920  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,733  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,795  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,919  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,928  
 EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/055,722

EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,723  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,948  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,949  
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 EARLIER APPLICATION NUMBER: 60/055,953  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,950  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,947  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,964  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/056,360  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,684  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,984  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,954  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/058,785  
 EARLIER FILING DATE: 1997-09-12  
 EARLIER APPLICATION NUMBER: 60/058,664  
 EARLIER FILING DATE: 1997-09-12  
 EARLIER APPLICATION NUMBER: 60/058,660  
 EARLIER FILING DATE: 1997-09-12  
 EARLIER APPLICATION NUMBER: 60/058,661  
 EARLIER FILING DATE: 1997-09-12  
 NUMBER OF SEQ ID NOS: 672  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 25

LENGTH: 1555

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (1248)

OTHER INFORMATION: n equals a,t,g, or c

FEATURE:

NAME/KEY: SITE

LOCATION: (1391)

OTHER INFORMATION: n equals a,t,g, or c

FEATURE:

NAME/KEY: SITE

LOCATION: (1396)

OTHER INFORMATION: n equals a,t,g, or c

FEATURE:

NAME/KEY: SITE

LOCATION: (1551)

OTHER INFORMATION: n equals a,t,g, or c

US-09-227-357-25

## Alignment Scores:

Prod. No.:	Score:	Percent Similarity:	Best Local Similarity:	Query Match:	DB:
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Length:	Matches:	Conservative:	Mismatches:	Indels:	Gaps:
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QY 24 GlySerMetThrGlnGlnIleProArgLeuSerValAsnLeuPheThrLeuLeuSer 43
Db 68 GGCAGCATGACCGGCGAGATCCAGATCCAGAGGCTTCTTAAGTCAACCTTTCACTCTGCTCAGC 127
QY 44 LeuTyrMetGlnLeuPheProAlaGlnAlaGlnArgGlnLysSerGlnLysAsnGlnGln 63
Db 128 CTCTGGATGGAGCTCTTTCAGCAGACAGAGCCGCGCAAAATCTCAGAAAAATGAAAG 187
QY 64 GlyLysHisGlyProLeuGlyAspAsnGlnGlnGlnArgValSerThrAspLysArg 83
Db 188 GGAAGACATGAGCCCTTGAAGATATGAGAGAGACAGATGATCTTCACTGACAAAGA 247
QY 84 Gln----- 84
Db 248 CAGGATTCTGGAGACAGCTAAGATGCTTAATGAAGTTTACCATCACTGCTGTTAG 307
QY 84 ----- 84
Db 308 GAAATGATATGAGACTCGACAGAGAGAGTGAATGCAACCGAGAAACACTCT 367
QY 85 -----ValLysArg 87
Db 368 GATATGAGTTTGAGGCTCTCAAAATGCTTTCAGCATTAAGCCACAGTGAAGTCAAGAGT 427
QY 88 Thr----- 88
Db 428 ACCAGGCGATGATGAATGTTTATTTGTTAACTGAGACCTTTTAACTTCATCAATTAT 487
QY 89 -----GlyLeuValVal 93
Db 488 TTGAAGGTAGAACACTGTGGGCTCTTCTTATTTCTTCTGGGAGACATCAACAA 547
QY 93 LysAsnMetLysIleValGlyLeuHis----- 102
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QY 103 CysSerSerGlnAspLeuHisAlaGlyGlnIleAlaLeuIleLysHis----- 118
Db 608 CTGTTCAATTAATGACGAACATTTGTGTACTTAAGTATTAAGGACTTCATCAGCTTCA 667
QY 118 ----- 118
Db 668 ATTCAATACAAATTAATATATTTTTCACATTTGTATCTGTATGTTTCTCTTT 727
QY 118 ----- 118
Db 728 ACAAAATGCTGTTCGTATCTTTTGTCTCTTTAGGCTTATCTTGTCAATCATAT 787
QY 119 -----GlySerArgLeuLys----- 123
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QY 123 ----- 123
Db 848 CACTGATGAAAAATGATCTATTAGTTGTGTTGTCTTAAATTTTGAAGCTTAA 907
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Db 908 AAAGTTAATATGCTTCAGACACCATCCAAACATCAATTAAGAAATTTTCAATGTTAT 967
QY 123 ----- 123
Db 123 ----- 123
QY 968 AAATCTTTGTGACATATTTGATTAACGTTTTATATGAGAGAGACATATTAATCA 1027
Db 124 -----AsnGly 125
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QY 125 sAspLeuTyrHisSerArgLysProCysSerAlaCys----- 137

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Db 1088 CTTCGCTTGCTATTATTAAGATGCTGCACTAAATGATGATCTTGAGATTTCTTCTG 1147
QY 138 -----LeuLysMetIleValAsn----- 143
Db 1148 TATTAGATATTTTCTAGATGATTTCTCAGAAATTTCTAGTCTGTGAGAGAAC 1207
QY 144 -----AlaGlyValAsnArgIleSerTyrTrpProAlaAspProGln 157
Db 1208 ATTTTATGATGAGAGAGCTGAGTGAACCGAATTCANAACTGCCCTGCTGATCCGA 1267
QY 157 uIleSerLeuLeuThrGlnLysSerSerGlnAspAlaLysLeuAspAlaLysAlaVal 177
Db 1268 AATAGTTGCTTACGAGAGCTTTAGTCTTGAAGATGCAAGTATGACCAAGCGAGT 1327
QY 177 GluArgLeuLysSerAsnSerArgAlaHisValCysValLeuLeuGlnProLeuValCys 197
Db 1328 GAAAGATGAGATGAGCAACAGTGGGCCCATGTGTGTCTTACTTCAACCTTGTGTG 1387
QY 197 sTyrMetValGlnPheValGlnGlnThrSerTyrLysCysAspPheIleGlnLysIleTh 217
Db 1388 TTNANANGNCAGTTTGTAGAGAGACCTCTTCAAAATGATCTTATTCAAAAATTAAC 1447
QY 217 rLysThrLeuProAspAlaAsnThrAspPheTyrTyrGlnCysLysGlnGluArgIleLys 237
Db 1448 AAAAATCTGCCGATCTTAACACTGACTTATTAATGAATGAACAGAAAGATTA 1507
QY 237 sGluTyrGlnMetLeu 242
Db 1508 AGAATATGAATGTTA 1523

RESULT 4
US-09-973-278-37
; Sequence 37, Application US/09973278
; Patent No. 6924354
; GENERAL INFORMATION:
; APPLICANT: Picheur et al.
; TITLE OR INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P2
; CURRENT APPLICATION NUMBER: US/09/973, 278
; CURRENT FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: 60/239, 899
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 09/227, 357
; PRIOR FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: PCT/US98/13684
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/051, 926
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052, 793
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 925
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 929
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052, 803
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052, 732
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 931
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 932
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 916
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 930
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 918
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051, 920
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052, 733
; PRIOR FILING DATE: 1997-07-08

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QY 125 sAspleuTyRpheserArglySProCyseSerAlaCyS----- 137
Db 1088 CTTTGCTTGATTTTAAAGATGCTGCACTAAATGTGAATGTTCTTCTG 1147
QY 138 -----LeuLysMetIleValen----- 143
Db 1148 TATTTAGATATTTCTCAGATGATTTCTCAGATTTCTGAGAGAAC 1207
QY 144 -----AlaGlyValAsnArgIleSerTyRTPProAlaAspProG 157
Db 1208 ATTTTATGATGAGAGAGCTGAGAGTACCGAATTTCAACACGCCCTGCTGACGA 1267
QY 157 uIleSerleuLeuThrgIuAlaSerSerSerGluAspAlaLysleuAspAlaLysAlaVa 177
Db 1268 AATAAGTTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAGATTAGTCCAAAGCAGT 1327
QY 177 lGluArgleuLysSerAsnSerArgAlaHisValCysValleuLeuGlnProleuValCy 197
Db 1328 GGAAGATGGAAGCAACACATCGGCCCATGTGTCTTACTTCAACCTTTGGTGTG 1387
QY 197 styMetValGlnPheValGluGluThrSerTyRlySAspPheIleGlnLysIleTh 217
Db 1388 TNAANANGACAGTTTGAGAGACCTCTTACAAATGTGACTTATTTCAAAAAATTAC 1447
QY 217 rLysThrleuProaspAlaAsnThrAspPheTyRlyGluCysLysGlnGluArgIleLy 237
Db 1448 AAAAACAATTCGCGATGCTACACTGACTTATTTATGATGTAACAAGAAATPAA 1507
QY 237 sGluTyRGlMetIeu 242
Db 1508 AGAATATGAATGTTA 1523

```

## RESULT 5

```

US-09-513-999C-4059
; Sequence 4059, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Ducleit, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59. US2.REG
; CURRENT APPLICATION NUMBER: US/09/513.999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 4059
; LENGTH: 489
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 98..460
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 458
; OTHER INFORMATION: raa or g
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: 121
; OTHER INFORMATION: Xaa-Gly or Ser
US-09-513-999C-4059

```

```

Alignment Scores:
Pred. No.: 1.38e-71
Score: 640.00
Percent Similarity: 99.2%
Best Local Similarity: 99.2%
Query Match: 36.5%
Length: 489
Matches: 130
Conservative: 0
Mismatch: 1
Indels: 1

```

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DB: 3 Gaps: 0
US-10-785-135-2 (1-339) x US-09-513-999C-4059 (1-489)
QY 1 MetLysGlnAlaGlyGlnMetGlnAsnLeuGlnSerAlaArgAlaGlyArgSerValSer 20
Db 98 ATGAAAGACCTGGGCGAGATGCAAAATCTGAGAGCCCGAGCGGCGGTCACTCAGC 157
QY 21 ThrGlnThrGlySerMetThrGlyGlnIleProArgLeuSerLysValAsnLeuPheThr 40
Db 158 ACCGAGCTGGCAGCATGACCGGTGAGATACCAAGGCTTTCTAAAGTCAACCTTTTACT 217
QY 41 LeuLeuSerleuThrMetGluLeuPheProAlaGlnAlaGlnArgGlnLysSerGlnLys 60
Db 218 CTGCTGACCTCTGGATGAGGCTTTTCCAGCAGAAAGCCAGCGGCAAAATCTCAGAA 277
QY 61 AsnGluGluGlyLysHisGlyProLeuGlyAspAsnGluGlnArgThrArgValSerThr 80
Db 278 ATGAAAGAGGAAAGCATGAGACCTTTAGAGATATATGAAGAGACCAAGATCTTACT 337
QY 81 AspLysArgGlnValLysArgThrGlyLeuValValLysAsnMetLysIleValGly 100
Db 338 GACAAAGACAGGTAAAGAACTGGCTGTGTGTGTAATAACATGAAATTTGTGT 397
QY 101 LeuHisCysSerSerGluAspLeuHisAlaGlyGlnIleAlaLeuLysHisGlySer 120
Db 398 CTCACAGTTCTAGTGAAGATTACATGCCGCGCAGATGCTCTTATTAACATGGGTCA 457
QY 121 ArgLeuLysAsnCysAspLeuTyRpheserArg 131
Db 458 RG-CTGAAAAACTGTGATCTTTATTTTCCAGA 489

```

## RESULT 6

```

US-09-621-976-132
; Sequence 132, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621.976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 132
; LENGTH: 477
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 124..477
; NAME/KEY: sig_peptide
; LOCATION: 124..273
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 6
; OTHER INFORMATION: seq LFTLLSLMELFP/AE
; NAME/KEY: misc_feature
; LOCATION: 394
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-132

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Alignment Scores:
Pred. No.: 9.71e-65
Score: 586.00
Percent Similarity: 98.3%
Best Local Similarity: 98.3%
Query Match: 33.4%
DB: 3 Gaps: 0
Length: 477
Matches: 116
Conservative: 0
Mismatch: 2
Indels: 0

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US-10-785-135-2 (1-339) x US-09-621-976-132 (1-477)

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QY 1 Metlysgluuaglygmmerclmnsnleugluseralaaargalaglyarserver 20  
DB 124 ATGAAAGAGCTGGGACAGATGSAATAATCTGGAGACGGGAGCGGGCGGTCACTGACG 183  
QY 21 Thrglntrnglysermetthrqlvglnlleproarglyserlyvalasnluphethr 40  
DB 184 ACCGAGATGGGACAGATACCGGTGACATCCAGGCTTTCTTAAGTCACTTTTCACT 243  
QY 41 Leuleuserleutpmetclmleupheproalagluagluagluaglnlyserglnly 60  
DB 244 CTGCTCAGCTCTGTGATGAGCTTTCTTCAGAGAACCCGACGCAAAAATCTCAGAAA 303  
QY 61 Aenglugluylyvshiglyproleuglyaspaenglugluargtharvalserthr 80  
DB 304 AATGAAAGGAGAAACATGAGACCTTAGAGATTAATGAAGAGACGAGATCTACT 363  
QY 81 Asplyasrvglnvallyarthrqlvglyleuvallyasmetlyllevaigly 100  
DB 364 GACAAAGACAGTAAAGAACTGCTTTTGTGTGTAAGAAACATGAAATGCTTGT 423  
QY 101 Leuhiscyservergluaspleuhsalaglyglnllealeulelyshis 118  
DB 424 CTCACGTCTTGAAGAAATTACATGCGGAGARATTGCTTATTAAACAT 477  
RESULT 7  
US-08-899-241-1  
Sequence 1, Application US/0889241A  
Patent No. 632295  
GENERAL INFORMATION:  
APPLICANT: Hohmann, Hans-Peter  
APPLICANT: Humbelin, Markus  
APPLICANT: van Loon, Adolphus  
APPLICANT: Schuster, Walter  
TITLE OF INVENTION: Improved Riboflavin Production  
FILE REFERENCE: Improved Riboflavin Prod  
CURRENT APPLICATION NUMBER: US/08/899,241A  
EARLIER FILING DATE: 1997-07-23  
EARLIER APPLICATION NUMBER: 96111905.4  
NUMBER OF SEQ ID NOS: 252  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 1  
LENGTH: 5567  
TYPE: DNA  
ORGANISM: Bacillus subtilis  
US-08-899-241-1  
Alignment Scores:  
Pred. No.: 0.00119 Length: 5567  
Score: 119.50 Matches: 33  
Percent Similarity: 48.6% Conservative: 19  
Best Local Similarity: 30.8% Mismatches: 40  
Query Match: 6.8% Indels: 15  
DB: 3 Gaps: 3  
US-10-785-135-2 (1-339) x US-08-899-241-1 (1-5567)  
QY 89 Glyleuvallyvallyasmetlyllevaiglyleu-----HisCyserverglu 106  
DB 1179 GGCGCTGTGTGCTGAAGACGACCAATGTGCGAATGGCGCGCCATTAAATATGCT 1238  
QY 107 Aspleuhsalaglyglnllealeulelyshisgllyserarglyleuvalasncysasp 126  
DB 1239 GAGGCTCATGAGAGTTCAATGCTCATATGCTGAGACATGACAGAGGTGCCGAC 1298  
QY 127 Leutypheserarglyspocyser-----AlaCylleuylmet 140  
DB 1299 ATTATACCTTACACTGCAACCGTGCAGCCATTACGAAAAACACCGCCATGCGAATG 1358  
QY 141 lilevalasnalaglyvalasnarqilesertytrpProalaaspproglu----- 157  
DB 1359 ATTATCACTCTGTATCAAAAGAGTGTCTGCGAGATGAGATCTTAATCCGCTTGTG 1418

QY 158 -----lleserleuethrqlualaserseerergluapralalyleuasp 173  
DB 1419 GCTGGAAGAGGATACAGCATGATAAAGAGCTGGCATTTGAGTAAAGGAAGCCATCTG 1478  
QY 174 Alalysalavalaglyargleu 180  
DB 1479 GCAGACCAAGCGGAGAGGCTG 1499  
RESULT 8  
US-09-902-540-9217  
Sequence 9217, Application US/09902540  
Patent No. 683347  
GENERAL INFORMATION:  
APPLICANT: Goldman, Barry S.  
APPLICANT: Hinkle, Gregory J.  
APPLICANT: Slater, Steven C.  
APPLICANT: Wiegand, Roger C.  
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
FILE REFERENCE: 38-10(15849)B  
CURRENT APPLICATION NUMBER: US/09/902,540  
PRIOR FILING DATE: 2001-07-10  
PRIOR APPLICATION NUMBER: 60/217,883  
NUMBER OF SEQ ID NOS: 16825  
SEQ ID NO 9217  
LENGTH: 1092  
TYPE: DNA  
ORGANISM: Myxococcus xanthus  
US-09-902-540-9217  
Alignment Scores:  
Pred. No.: 0.00014 Length: 1092  
Score: 117.50 Matches: 35  
Percent Similarity: 45.9% Conservative: 16  
Best Local Similarity: 31.5% Mismatches: 37  
Query Match: 6.7% Indels: 23  
DB: 3 Gaps: 4  
US-10-785-135-2 (1-339) x US-09-902-540-9217 (1-1092)  
QY 89 Glyleuvallyvallyasmetlyllevaiglyleu-----GlyleuHisCyserverglu 106  
DB 85 GGCGCTGTGTGCTGAAGACGCGCGCATGATGCGCGCGCTTACCAAGAAAGCGGCGC 144  
QY 107 Aspleuhsalaglyglnllealeulelyshisgllyserarglyleuvalasncysasp 126  
DB 145 AGCGGCACTCGAGGTCGTGCGCTGAGAGCGCGCTGCGCGCCAAAGCGCGGAC 204  
QY 127 Leutypheserarglyspocyser-----AlaCylleuylmet 140  
DB 205 CTCTACACCAAGCTGAGCGGTGCGACACTACGGGGTACCCCGCGTCAAGATGCGC 264  
QY 141 lilevalasnalaglyvalasnarqilesertytrpProalaaspproglu----- 157  
DB 265 ATCATGAGCGGCGCGCGCGCTGATGCGCGCTGCGGAGCC----- 312  
QY 161 Leuthrqlualaserseerergluapralalyleuapralalyalalyalagluargleu 180  
DB 313 -----AACCGAAGGTAGCGCAAGGCGGTGCGGATG 348  
QY 181 Lyserasnseryalshisvalcysvalleu 191  
DB 349 CGG-----CGCGCGCGCTCAAGGTCTC 372  
RESULT 9  
US-09-902-540-986  
Sequence 986, Application US/09902540  
Patent No. 683347  
GENERAL INFORMATION:  
APPLICANT: Goldman, Barry S.  
APPLICANT: Hinkle, Gregory J.  
APPLICANT: Slater, Steven C.  
APPLICANT: Wiegand, Roger C.  
US-09-902-540-986

[illegible]

	FILE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
	FILE REFERENCE: PUS480US
	CURRENT APPLICATION NUMBER: US/09/710,279
	CURRENT FILING DATE: 2000-11-09
	PRIOR APPLICATION NUMBER: 60/164,258
	PRIOR FILING DATE: 1999-11-09
	NUMBER OF SEQ ID NOS: 4472
	SOFTWARE: PatentIn Ver. 2.1
	SEQ ID NO: 1963
	LENGTH: 1032
	TYPE: DNA
	ORGANISM: Artificial Sequence
	FEATURE:
	OTHER INFORMATION: Description of Artificial Sequence: synthetic
	US-09-710-279-1963
	Alignment Scores:
	Pred. No.: 0.000549 Length: 1032
	Score: 112.50 Matches: 55
	Percent Similarity: 41.3% Conservative: 40
	Best Local Similarity: 23.9% Mismatches: 97
	Query Match: 6.4% Indels: 38
	Gaps: 9
	US-10-785-135-2 (1-339) x US-09-710-279-1963 (1-1032)
Qy	89 G yeuValValValysanMetIylValIGlyleu-----HisCyseSerSerlu 100
Dd	64 GAATCCCTTTGTGTAATAACCGTAGAGTGGTGTTTGTCACATTAAAAAGGA 122
Qy	107 AspleuHislaGluginlaleuleilyleuHieglYserArgleuIsanCysAsp 120
Dd	124 GATTAACATGCCCAAGTACAAGTATTGAAAGGCAGTTTAAATACCAGGTCTACC 180
Qy	127 leuTyRheSerArglySProCySer-----AlaCyAleuLysMet 140
Dd	184 ATATACGTTTTCATTAAGAACCCTTGACACACACATGGTTCAACACACACTTGTCATAA 240
Qy	141 lileValasnIlaclValalanaAgileseryTrTProalaAspproglinleserleu 160
Dd	244 ATCATTTGAACCGGCGCATATTAAGGTCATCTAAGCTTTAAAGAT----- 280
Qy	161 leuThcglulaaserSerSerSerGuabaPalaLyLeuaspLaIvalaGIuargleu 180
Dd	289 ACRACITTAAGTAAGTAAGGTGACAGATCTTGAGAGAGAACGCTGATAGAGTGAATT 340
Qy	181 lysSerasnSerArglaHniSvalCySvalleuLeuglnProleuValCysTyMetVal 200
Dd	349 CAATATATATGAATAATGCA-----GTCGATTTATACCGTAC 380
Qy	201 GlhPhelaIglnuIuhiserTyrlzysCyAspRheIlleglnVylleThrlzleu 220
Dd	385 TTTTTTTACGCTAAAAGAAAGCAAGTTCAGAGAAGTACTGTAAGGTCTATAGCTTA 440
Qy	221 ProaspalaamnthraSpheTyTrTgIuCylysGlnlu-ArGIlelysgIuTyrgI 240
Dd	445 GATGCTAAACAACAACAAGACTTATGAAAGTAAGTATGATATACAAACAAGAGTTAA 500
Qy	240 uMeleupeHeleuValSerasnGlnUwechivlysgnlleleuMetThrIleGlyle 260
Dd	505 GAAGAGTTTTATC-----AATTAGAAGCATGAGCATGATGACGATTATTA---CTGGGCGT 555
Qy	260 uGIuaenleu-----CyeGluasnProtyrPheserAnlleuAysGlnas 275
Dd	556 AGAACCATTTGAAAGCAACAATCCATTGTATACACCAAGGGTTC-----CTAGTGAAG 600
Qy	275 nMeTyAspLeuileuLeuileuIathrValalaseSerValProen----- 292
Dd	610 CATCCAGATTCGATTAATCTTTCTTAAGAAGGTCAACTGCATTTTAACAACAATATT 665
Qy	293 -----RheIyHisRheGlyRhe 298

Db 670 AAGAGTACTGCATCGAGATATGATTT 697

RESULT 12  
US-09-134-001C-2313  
Sequence 2313, Application US/09134001C  
Patent No. 6380370  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: GPC-007  
CURRENT APPLICATION NUMBER: US/09/134,001C  
CURRENT FILING DATE: 1998-08-13  
PRIORITY APPLICATION NUMBER: US 60/064,964  
PRIORITY FILING DATE: 1997-11-08  
PRIORITY APPLICATION NUMBER: US 60/055,779  
PRIORITY FILING DATE: 1997-08-14  
NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 2313  
LENGTH: 1053  
TYPE: DNA  
ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-2313

Alignment Scores:  
Pred. No.: 0.000568 Length: 1053  
Score: 112.50 Matches: 64  
Percent Similarity: 39.0% Conservative: 44  
Best Local Similarity: 23.1% Mismatches: 108  
Query Match: 6.4% Indels: 62  
DB: Gaps: 11

US-10-785-135-2 (1-339) x US-09-134-001C-2313 (1-1053)

QY 42 LeuSerLeuTrpMetGluLeuPheProAlaGluAlaGlnArgGlnTySerGlnLysAsn 61  
Db 14 GTGATTTATGATGATGATGCTATTC-----AATTAGCAAAATG-GTAAATGCA 60  
QY 62 GluGluGlnLysHisGlyProLeuGlnLysAsnGluGlnArgThrArgValSerThrAsp 81  
Db 61 CAATACAGCTGTATATCCACAGTAGAGTCC----- 90  
QY 82 LysArgGlnValLysArgThrGlnLysLeuValValLysAsnMetLysIleValGlyLeu 101  
Db 91 -----GTTGGTTTAAAAACGGTAGAGTTGAGTTTA 123  
QY 102 -----HisCysSerSerGlnAspLeuHisAlaGlyGlnIleLeuIleLysHisGly 119  
Db 124 GGTGCACATTTAAAAAAGGAGATTAACATGCCGAATACAGGCTATTGAAATGGCAGGT 183  
QY 120 SerArgLeuLysAsnCysAspLeuTyPheSerArgLysProCysSer----- 135  
Db 184 TTTAAATACCAAGGTGTACATATAGCTTTCAATTGAACTTGTAACACATGATTCA 243  
QY 136 -----AlaCysLeuLysMetIleValAsnAlaGlyValAsnArgLysSerTyTrpPro 153  
Db 244 ACCGCACCTGTGTGTGATTAATCATTTGAAGCGGGCATATCTAAGGTCATCTATGCTGTT 303  
QY 154 AlaAspProGlnLysSerLeuSerLeuThrGlnAlaSerSerSerGlnAspAlaLysLeuAsp 173  
Db 304 AAGAT-----ACTACTTTTAGTAAAGTAGGGGTGACGAGATTGAGAGAA 348  
QY 174 AlaLysAlaValAlaGlnArgLysLysSerAsnSerArgAlaHisValCysValLeuLeuGln 193  
Db 349 GCTGATATAGAGGTGAATTTCAATATATGAAATGCA----- 387  
QY 194 ProLeuValCysTrpMetValGlnPheValGlnGlnThrSerTyLysCysAspPheIle 213  
Db 388 ---GCTGACTTATACCGGTGACTTTTACTGTCTAAAGAAAGCAAGTTCCAGAAAGTACT 444  
QY 214 GlnLysIleThrLysThrLeuProAspAlaAsnThrAspPheTyTrpGlnCysLysGln 233  
Db 445 GTTAAAGCTCTCATCTATGTTTAGGTGTAACAAGAACAGACTTTAATGAAGTATGG 504

QY 234 Glu-Arg1IleGlyGluTyrGluMetLeuPheLeuValSerGlnGluMetHisLysG1 253  
DB 505 ATACCAACAAGAGTAAAGAGATGTTATC-----AATTAAAGCATGAGCATGAT 558  
QY 253 nileuMetThrIleGlyLeuGlnAsnLeu-----CysGluAsnProTy 268  
DB 559 GCAGTTATTA---CTGGGCGTAGAACCATTTGACAGACAAATCCATTGTATACACAGG 615  
QY 268 rPheSerAsnLeuArgGlnAsnMetLysAspLeuIleLeuLeuValThrValAlaSe 288  
DB 616 GTTC-----CTGATGAAAGACATCCCATTCGATGATTCTTCTTAAGAAAGTCAACTC 669  
QY 288 rSerValProAsn-----PheLysHisPheGlyPhe 298  
DB 670 GATTTATATCAACAATATTAAAGATACGTCATCGAGATATGATTT 718  
RESULT 13  
US-09-710-279-3688/c  
Sequence 3688, Application US/09710279  
Patent No. 6703492  
GENERAL INFORMATION:  
APPLICANT: KIMBERLY, WILLIAM JOHN  
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
FILE REFERENCE: PU3480US  
CURRENT APPLICATION NUMBER: US/09/710,279  
CURRENT FILING DATE: 2000-11-09  
PRIOR APPLICATION NUMBER: 60/164,258  
PRIOR FILING DATE: 1999-11-09  
NUMBER OF SEQ ID NOS: 4472  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 3688  
LENGTH: 3227  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: synthetic  
OTHER INFORMATION: nucleic acid sequence  
US-09-710-279-3688  
Alignment Scores:  
Pred. No.: 0.0037 Length: 3227  
Score: 112.50 Matches: 64  
Percent Similarity: 39.0% Conservative: 44  
Best Local Similarity: 23.1% Mismatches: 108  
Query Match: 6.4% Indels: 62  
DB: 3 Gaps: 11  
US-10-785-135-2 (1-339) x US-09-710-279-3688 (1-3227)  
QY 42 LeuSerLeuTrpMetGluLeuPheProAlaGluAlaGlnArgGlnLysSerGlnLysAsn 61  
DB 1926 GTACATTATTAAGATGATGCTATTC-----AACTAGCAAAATG- GTAATGGA 1880  
QY 62 GluGlnGlyLysHisGlyProLeuGlyAspAsnGlnGluArgThrArgValSerThrAsp 81  
DB 1879 CAACACAGGTGTTATCCACCGATGATCC----- 1850  
QY 82 LysArgGlnValLysArgThrGlyLeuValValLysAsnMetLysIleValGlyLeu 101  
DB 1849 -----GTTCTGTTAAAAACGATGAGATTGTAGGTTTA 1817  
QY 102 -----HisCysSerSerGlnAspLeuHisAlaGlyGlnIleAlaLeuIleLysHisGly 119  
DB 1816 GGTGCATATTAAAGAGGAGATTAACATGCCAAGTACAAAGCTATTGAATGGCAGGT 1757  
QY 120 SerArgLeuLysAsnCysAspLeuTrpPheSerArgLysProCysSer----- 135  
DB 1756 TTTAAATACCAAGGTCTACCATATAGCTTTCATTAGAACCTTACACACACATGTTCA 1697  
QY 136 -----AlaCysLeuLysMetIleValAsnAlaGlyValAsnArgLysSerTyTrpPro 153  
DB 1696 ACACCACTTGTGTGCATTAATATCATTTGAAGCGGCATATCTAAGTCATATGCTGT 1657

QY 154 AlaAspProGluIleSerLeuLeuThrGluAlaSerSerSerGlnAspAlaLysLeuAsp 173  
DB 1636 AAGAT-----ACTACTTATGTAAGGAGGTACAGAGATTCGAGAGAA 1592  
QY 174 AlaLysAlaValGluArgLeuLysSerAsnSerArgAlaHisValCysValLeuGln 193  
DB 1591 GCTGTATAGAGGTGATTAATTCATATTAATGAATGCA-----G----- 1553  
QY 194 ProLeuValCysTyTrpMetValGlnPheValGlnGluThrSerTyLysCysAspPheIle 213  
DB 1552 ---GCTGCATTAACCGTGATCTTTTATCTGCTAAAGAAAGAAAGTTCACAAAGTACT 1496  
QY 214 GlnLysIleThrLysThrLeuProAspAlaAsnThrAspPheTyTrpGlyCysGln 233  
DB 1495 GTAAAGTCTCATCTAGTCTAGATGTAAACAGACACATTCATTAATGAAGTCAATGG 1436  
QY 234 Glu-Arg1IleGlyGluTyrGluMetLeuPheLeuValSerGlnGluMetHisLysG1 253  
DB 1435 ATACCAACAAGAGTAAAGAGATGTTATC-----AATTAAAGCATGAGCATGAT 1382  
QY 253 nileuMetThrIleGlyLeuGlnAsnLeu-----CysGluAsnProTy 268  
DB 1381 GCAGTTATTA---CTGGGCGTAGAACCATTTGACAGACAAATCCATTGTATACACAGG 1325  
QY 268 rPheSerAsnLeuArgGlnAsnMetLysAspLeuIleLeuLeuValThrValAlaSe 288  
DB 1324 GTTC-----CTGATGAAAGACATCCCATTCGATGATTCTTCTTAAGAAAGTCAACTC 1271  
QY 288 rSerValProAsn-----PheLysHisPheGlyPhe 298  
DB 1270 GATTTATATCAACAATATTAAAGATACGTCATCGAGATATGATTT 1222  
RESULT 14  
US-09-710-279-3387/c  
Sequence 3387, Application US/09710279  
Patent No. 6703492  
GENERAL INFORMATION:  
APPLICANT: KIMBERLY, WILLIAM JOHN  
TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS  
FILE REFERENCE: PU3480US  
CURRENT APPLICATION NUMBER: US/09/710,279  
CURRENT FILING DATE: 2000-11-09  
PRIOR APPLICATION NUMBER: 60/164,258  
PRIOR FILING DATE: 1999-11-09  
NUMBER OF SEQ ID NOS: 4472  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 3387  
LENGTH: 3618  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: synthetic  
OTHER INFORMATION: nucleic acid sequence  
US-09-710-279-3387  
Alignment Scores:  
Pred. No.: 0.0048 Length: 3618  
Score: 112.50 Matches: 64  
Percent Similarity: 39.0% Conservative: 44  
Best Local Similarity: 23.1% Mismatches: 108  
Query Match: 6.4% Indels: 62  
DB: 3 Gaps: 11  
US-10-785-135-2 (1-339) x US-09-710-279-3387 (1-3618)  
QY 42 LeuSerLeuTrpMetGluLeuPheProAlaGluAlaGlnArgGlnLysSerGlnLysAsn 61  
DB 2709 GTGATTTATGATGATGCTATTC-----AACTAGCAAAATG- GTAATGGA 2663  
QY 62 GluGlnGlyLysHisGlyProLeuGlyAspAsnGlnGluArgThrArgValSerThrAsp 81  
DB 2662 CAACACAGGTGTTATCCACCGATGATCC----- 2633

```

QY      82  LysaIrgInValIySaRgThrGlyLeuValIaValIySaMmetyIleValIyLeu 101
Db      2632  -----GTTGTTTAAACCGTAGATTTGATTTA 2600
QY      102  -----HISCySerSerGluAAspLeuHISaIaGlyGlnIleAlaLeuIleLysHISGly 119
Db      2599  GGTGCACATTTAAAGAGAGATTAACATCCAGATCAAGATTAATGAAGTGGCAGGT 2540
QY      120  SerArgLeuYsaAncyCyAspLeuTyPheSerArgLysProCySer----- 135
Db      2539  TTAATATCCCAAGGTGCTACCATATACCTTCAATTAAGACCTTGACACACCATGTTCA 2480
QY      136  -----AlaCyLeuLeuYsaMmetyIleValaMmetyIleValaMmetyIleSerTyTrpPro 153
Db      2479  ACAACACCTTGCTGTGATTAATATCATGAACGGGATATCTAAGCATCATATGCTGTT 2420
QY      154  AlaAspProGluIleSerLeuLeuThrGluAlaSerSerGluAAspAlaLysLeuAAsp 173
Db      2419  AAAAGAT-----ACTACTTATAGTAAAGGTGACGAGATTCTGAGAGAA 2375
QY      174  AlaIySaIaValIaGluArgLeuYsaSerAAspSerArgIaHISValIySaValLeuLeuGln 193
Db      2374  GCTGCTATAGAGTGTGAATTTCAATATATTAATAAATGCA----- 2336
QY      194  ProLeuValCyTyMetValGlnPheValGlnIuThrSerTyTyLysCyAAspPheIle 213
Db      2335  ---GCTGCATATATACCGTGAATTTTATCTGCTAAAGAAAGAAAGTTCAGAAATGTA 2279
QY      214  GlnIyLeuIleThrIySthIleuProAAspAlaAAspThrAAspPheTyTyTrpGluCyLysGln 233
Db      2278  GTAAAGGTCTCATCTAGTCTAGATGTAAACAGCAACAGACTTAAATGAAGTAAAGTGG 2219
QY      234  GluArgIleLysGluTyrgIuMetLeuPheValSerAAspGlnIuMetHISLysGln 253
Db      2218  ATACCAACCAAGAGATTAAGAAAGATGTTATC-----AATTAACATGAGCAAGAT 2165
QY      253  nIleLeuMetThrIleGlyLeuGlnAAspLeu-----CysGluAAspProTy 268
Db      2164  GCAGTATATATCTGAGCGGTAGAACCATTTGAAGCAACATCCATGTTATACAAACAGG 2108
QY      268  rPheSerAAspLeuArgIuAAspMetLysAAspLeuIleLeuLeuLeuAlaHISValaIase 288
Db      2107  GTTC-----CTGATGAAAGCATCCGATTCGAGTTATCTTTCTTAAGAAAGTCAACT 2054
QY      288  rSerValProAAsp-----PheLysHISrPheGlyPhe 298
Db      2053  GATTATATCAACAAATATTAAAGATATCTGCATCGAGATATGATTT 2005

RESULT 15
US-09-557-884-1
; Sequence 1, Application US/0957884
; Patent No. 6506581
; GENERAL INFORMATION:
; APPLICANT: Fleischmann et al.
; TITLE OF INVENTION: The Nucleotide sequence of
; the Haemophilus influenzae Rd Genome, Fragments
; Thereof, and Uses Thereof
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3 1/2 inch diskette
; COMPUTER: Dell Pentium
; OPERATING SYSTEM: MS DOS V6.22
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/557,884

```

```

; FILING DATE: 25-Apr-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/476,102
; FILING DATE: JUN-5-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB186P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1830121 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-557-884-1

Alignment Scores:
Pred. No.: 312 Length: 1830121
Score: 110.00 Matches: 49
Percent Similarity: 37.8% Conservative: 35
Best Local Similarity: 22.1% Mismatches: 77
Query Match: 6.3% Indels: 62
DB: Gaps: 9

US-10-785-135-2 (1-339) x US-09-557-884-1 (1-1830121)
QY      89  GlyLeuValIaValIySaAAspMetLysIleValIa-----GlyLeuHISCySerSerGln 106
Db      1002864  GATGCGGTATGGTTGTTAAATGATGAATGTTGGGAGGAGGCTTCAATTTAAAGCAGGA 1002923
QY      107  AAspLeuHISaIaGlyGlnIleAlaLeuIleLysHISGlySerArgLeuYsaAAsp 126
Db      1002924  CAACCTCATGCTGAACGGCTGCTTGAAGCTCAAGCTGTGAATAATGCTAAAGAGCAACC 1002983
QY      127  LeuTyPheSerArgLysProCySer-----AlaCyLeuYsaMet 140
Db      1002984  GCTTACGTCAACCTTGAAGCTTCCGCTCATATGTCGACACACCATCTTGATTAAGA 1003043
QY      141  IleValaMmetyIleValaMmetyIleSerTyTrpProAlaAspProGlu----- 157
Db      1003044  TTAATGAGCGCGGCGTGAAGATTCATTCGCGCTATGCAAGATCCAAATCCTCAAGTC 1003103
QY      158  -----IleSerLeuLeuThrGluAlaSerSerGluAAspAlaLysLeuAAsp 173
Db      1003104  GCAGAGAAAGGTTGAATAATGTTGCTGATGCCGATACGAAAGTACGCTGAATTTATTTG 1003163
QY      174  AlaIySaIaValIaGluArgLeuYsaSerAAspSerArgIaHISValIySaValLeuLeuGln 193
Db      1003164  AACGATCAAGCGGAAATAATAAAGT----- 1003193
QY      194  ProLeuValCyTyMetValGlnPheValGlnIuThrSerTyTyLysCyAAspPheIle 213
Db      1003194  A-----TTTTAAACGAATCGTCAAGTATGCTTTGTT 1003229
QY      214  Gln---LysIleThrIySthIleu----- 220
Db      1003230  CAACCTAAACTTGCCATGATGAGTGAACGAACTGCAATGCAAGTGAAGAAAGTAA 1003289
QY      221  -----ProAAspAlaAAspThrAAspPheTyTyTrpGluCyLeuGlnIaArgIle 236
Db      1003290  TGGATTTACGGGCCCATGCTCTGTCGACG--TACAAAAATGACAGCA-- 1003338
QY      237  LysGluTyrgIuMetLeuPheValSerAAspGlnIuMetHISLys---GlnIleLeu 255
Db      1003339  ---AATCATCCGCACTTATATCTACTTCCAAACAGTCAATTCGAGATGATCCAAAGCCTTA 1003395
QY      256  MetThrIleGlyLeuLeuAAspLeuCySgluAAspProTyPheSerAAspLeuArgIuAAsp 275

```



Db 1003396 ATGTACGCTGGGACGAAT-----TTCTGAAAAATCTTAAAAAGAGAT 1003437

Qy 276 MetLys 277  
:::|

Db 1003438 ATAAA 1003443

Search completed: September 18, 2006, 01:53:51  
Job time : 951 secs



## RESULT 2

US-09-513-999C-8136  
Sequence 8136, Application US/09513999C

Patent No. 6783961

GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, J.B.

APPLICANT: Duclert, A.

APPLICANT: Giordano, J.Y.

TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

Patent No. 6783961

FILE REFERENCE: 59.US2.REG

CURRENT APPLICATION NUMBER: US/09/513,999C

CURRENT FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: US 60/122,487

PRIOR FILING DATE: 1999-02-26

NUMBER OF SEQ ID NOS: 36681

SOFTWARE: Patent.pm

SEQ ID NO 8136

LENGTH: 121

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: UNSURE

LOCATION: 121

OTHER INFORMATION: Xaa=Gly or Ser

US-09-513-999C-8136

Query Match 34.6%; Score 607; DB 2; Length 121;

Best Local Similarity 100.0%; Pred. No. 2.7e-60; Matches 120; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKKAGOMNLESAARASVSTQTSMTGQIPRLSKVNLFTLLSLMWELEPPAARQKQSK 60

DB 1 MKKAGOMNLESAARASVSTQTSMTGQIPRLSKVNLFTLLSLMWELEPPAARQKQSK 60

QY 61 NEEGKHGPIGDNEERTVSTDKQVKTGLVVKNNKIVGLHCSSBDLHAGQIALIKHS 120

DB 61 NEEGKHGPIGDNEERTVSTDKQVKTGLVVKNNKIVGLHCSSBDLHAGQIALIKHS 120

## RESULT 3

US-09-621-976-3992

Sequence 3992, Application US/09621976

Patent No. 6639063

GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, J.B.

APPLICANT: Jobert, S.

APPLICANT: Giordano, J.Y.

TITLE OF INVENTION: ESTs and Encoded Human Proteins.

FILE REFERENCE: GENSET.054PR2

CURRENT APPLICATION NUMBER: US/09/621,976

CURRENT FILING DATE: 2000-07-21

NUMBER OF SEQ ID NOS: 19335

SOFTWARE: Patent.pm

SEQ ID NO 3992

LENGTH: 118

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SIGNAL

LOCATION: -50..-1

NAME/KEY: UNSURE

LOCATION: -43

OTHER INFORMATION: Xaa = Glu, Gln

NAME/KEY: UNSURE

LOCATION: 41

OTHER INFORMATION: Xaa = Leu, Met, Val

US-09-621-976-3992

Query Match 33.4%; Score 586; DB 2; Length 118;

Best Local Similarity 98.3%; Pred. No. 6e-58;

Matches 116; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MKKAGOMNLESAARASVSTQTSMTGQIPRLSKVNLFTLLSLMWELEPPAARQKQSK 60

DB 1 MKKAGOMNLESAARASVSTQTSMTGQIPRLSKVNLFTLLSLMWELEPPAARQKQSK 60

QY 61 NEEGKHGPIGDNEERTVSTDKQVKTGLVVKNNKIVGLHCSSBDLHAGQIALIKH 118

DB 61 NEEGKHGPIGDNEERTVSTDKQVKTGLVVKNNKIVGLHCSSBDLHAGQIALIKH 118

## RESULT 4

US-09-973-278-177

Sequence 177, Application US/09973278

Patent No. 6924354

GENERAL INFORMATION:

APPLICANT: Fischer et al.

TITLE OF INVENTION: 123 Human Secreted Proteins

FILE REFERENCE: P2010P2

CURRENT APPLICATION NUMBER: US/09/973,278

CURRENT FILING DATE: 2001-10-10

PRIOR APPLICATION NUMBER: 60/239,899

PRIOR FILING DATE: 2000-10-13

PRIOR APPLICATION NUMBER: 09/227,357

PRIOR FILING DATE: 1999-01-08

PRIOR APPLICATION NUMBER: PCT/US98/13684

PRIOR FILING DATE: 1998-07-07

PRIOR APPLICATION NUMBER: 60/051,926

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/052,793

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,925

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,929

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/052,803

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/052,732

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,931

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,932

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,916

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,930

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,918

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,920

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/052,733

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/052,795

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,919

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,928

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/055,722

PRIOR FILING DATE: 1997-08-18

PRIOR APPLICATION NUMBER: 60/055,723

PRIOR FILING DATE: 1997-08-18

PRIOR APPLICATION NUMBER: 60/055,948

PRIOR FILING DATE: 1997-08-18

PRIOR APPLICATION NUMBER: 60/055,949

PRIOR FILING DATE: 1997-08-18

PRIOR APPLICATION NUMBER: 60/055,953

PRIOR FILING DATE: 1997-08-18

PRIOR APPLICATION NUMBER: 60/055,950

PRIOR FILING DATE: 1997-08-18

PRIOR APPLICATION NUMBER: 60/055,947

PRIOR FILING DATE: 1997-08-18

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;; PRIOR APPLICATION NUMBER: 60/055,964
;; PRIOR FILING DATE: 1997-08-18
;; PRIOR APPLICATION NUMBER: 60/056,360
;; PRIOR FILING DATE: 1997-08-18
;; PRIOR APPLICATION NUMBER: 60/055,684
;; PRIOR FILING DATE: 1997-08-18
;; PRIOR APPLICATION NUMBER: 60/055,984
;; PRIOR FILING DATE: 1997-08-18
;; PRIOR APPLICATION NUMBER: 60/055,954
;; PRIOR FILING DATE: 1997-08-18
;; PRIOR APPLICATION NUMBER: 60/058,785
;; PRIOR FILING DATE: 1997-09-12
;; PRIOR APPLICATION NUMBER: 60/058,664
;; PRIOR FILING DATE: 1997-09-12
;; PRIOR APPLICATION NUMBER: 60/058,660
;; PRIOR FILING DATE: 1997-09-12
;; PRIOR APPLICATION NUMBER: 60/058,661
;; PRIOR FILING DATE: 1997-09-12
;; NUMBER OF SEQ ID NOS: 947
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 177
;; LENGTH: 77
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: SITE
;; LOCATION: (69)
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-973-278-177
```

Query Match 17.4%; Score 305; DB 2; Length 77;

Best Local Similarity 100.0%; Pred. No. 1.6e-26; Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 26 MTGQIPRLSKVNLFTLLSLWMLFPAAQRQSKQNEEGKGGPLGDNEERTVSTDKRQ 84
Db 1 MTGQIPRLSKVNLFTLLSLWMLFPAAQRQSKQNEEGKGGPLGDNEERTVSTDKRQ 59
```

```
RESULT 5
US-09-227-357-164
;; Sequence 164, Application US/09227357
;; Patent No. 6342581
;; GENERAL INFORMATION:
;; APPLICANT: Fischer et al.
;; TITLE OF INVENTION: 123 Human Secreted Proteins
;; FILE REFERENCE: P2010P1
;; CURRENT APPLICATION NUMBER: US/09/227,357
;; CURRENT FILING DATE: 1999-01-08
;; EARLIER APPLICATION NUMBER: FCT/US98/13684
;; EARLIER FILING DATE: 1998-07-07
;; EARLIER APPLICATION NUMBER: 60/051,926
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/052,793
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/051,925
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/051,929
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/052,803
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/052,732
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/051,931
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/051,932
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/051,916
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/051,930
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/051,918
;; EARLIER FILING DATE: 1997-07-08
```

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;; EARLIER APPLICATION NUMBER: 60/051,920
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/052,733
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/052,795
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/051,919
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/051,928
;; EARLIER FILING DATE: 1997-07-08
;; EARLIER APPLICATION NUMBER: 60/055,722
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/055,723
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/055,948
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/055,949
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/055,953
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/055,950
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/055,947
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/055,964
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/056,360
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/055,684
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/055,984
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/055,954
;; EARLIER FILING DATE: 1997-08-18
;; EARLIER APPLICATION NUMBER: 60/058,785
;; EARLIER FILING DATE: 1997-09-12
;; EARLIER APPLICATION NUMBER: 60/058,664
;; EARLIER FILING DATE: 1997-09-12
;; EARLIER APPLICATION NUMBER: 60/058,660
;; EARLIER FILING DATE: 1997-09-12
;; EARLIER APPLICATION NUMBER: 60/058,661
;; EARLIER FILING DATE: 1997-09-12
;; NUMBER OF SEQ ID NOS: 672
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 164
;; LENGTH: 78
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: SITE
;; LOCATION: (69)
;; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
;; NAME/KEY: SITE
;; LOCATION: (78)
;; OTHER INFORMATION: Xaa equals stop translation
US-09-227-357-164
```

Query Match 17.4%; Score 305; DB 2; Length 78;

Best Local Similarity 100.0%; Pred. No. 1.6e-26; Matches 59; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 26 MTGQIPRLSKVNLFTLLSLWMLFPAAQRQSKQNEEGKGGPLGDNEERTVSTDKRQ 84
Db 1 MTGQIPRLSKVNLFTLLSLWMLFPAAQRQSKQNEEGKGGPLGDNEERTVSTDKRQ 59
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```
RESULT 6
US-09-710-279-3242
;; Sequence 3242, Application US/09710279
;; Patent No. 6703492
;; GENERAL INFORMATION:
;; APPLICANT: KIMBERLY, WILLIAM JOHN
```

```

; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 3242
; LENGTH: 230
; TYPE: PRN
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (230)
; OTHER INFORMATION: variable amino acid
US-09-710-279-3242
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Query Match 6.2%; Score 109; DB 2; Length 230;  
Best Local Similarity 21.7%; Pred. No. 0.0013;  
Matches 48; Conservative 35; Mismatches 86; Indels 52; Gaps 9;

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QY 89 GLVVVKMKIYGL--HCSSEDLHAGQIALIKHGRKLNCDLYFSRKPCS-----ACIKM 140
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 22 GSVVVKNGRIYGLGALHKKKGKHALEVAQIEMAGLNTQATIVYSLPCTHHGSTPCVHK 81
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 141 IVNAGVNRISYWPADPEISLITPSSSEDATLDAKAVERLKSRAHVCYLLOPLVCYV 200
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 82 IIEAGISKVIYAVKD-----TLVSKGDEILREAGIEVEFOYENNA-----ALAYRD 128
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 201 QFVEETSYKCDFOIKITKTLPDANTDFYEECK--QERIKE--YEMLFLVSNEMHKQIL 255
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 129 FFTAARNEVEPTVVKVSSSLDGKQATDNESKMTNKEVEDYQOL-----RHEHDA 180
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 256 MTIGLENL-CENPYFSLRQNMKDLILLATVASSVPNFKH 295
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 181 VTGRRRTIADNPPLYT-----TRVPDGGH 204
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
```

```

RESULT 7
US-09-710-279-1626
; Sequence 1626, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 1626
; LENGTH: 343
; TYPE: PRN
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-09-710-279-1626
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Query Match 6.2%; Score 109; DB 2; Length 343;  
Best Local Similarity 21.7%; Pred. No. 0.0026;  
Matches 48; Conservative 35; Mismatches 86; Indels 52; Gaps 9;

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QY 89 GLVVVKMKIYGL--HCSSEDLHAGQIALIKHGRKLNCDLYFSRKPCS-----ACIKM 140
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Db 22 GSVVVKNGRIYGLGALHKKKGKHALEVAQIEMAGLNTQATIVYSLPCTHHGSTPCVHK 81
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QY 141 IVNAGVNRISYWPADPEISLITPSSSEDATLDAKAVERLKSRAHVCYLLOPLVCYV 200
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Db 82 IIEAGISKVIYAVKD-----TLVSKGDEILREAGIEVEFOYENNA-----ALAYRD 128
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 201 QFVEETSYKCDFOIKITKTLPDANTDFYEECK--QERIKE--YEMLFLVSNEMHKQIL 255
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 129 FFTAARNEVEPTVVKVSSSLDGKQATDNESKMTNKEVEDYQOL-----RHEHDA 180
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 256 MTIGLENL-CENPYFSLRQNMKDLILLATVASSVPNFKH 295
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 181 VTGRRRTIADNPPLYT-----TRVPDGGH 204
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RESULT 8
US-09-710-279-1964
; Sequence 1964, Application US/09710279
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/09/710,279
; CURRENT FILING DATE: 2000-11-09
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 1964
; LENGTH: 343
; TYPE: PRN
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: amino acid sequence
US-09-710-279-1964
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Query Match 6.2%; Score 109; DB 2; Length 343;  
Best Local Similarity 21.7%; Pred. No. 0.0026;  
Matches 48; Conservative 35; Mismatches 86; Indels 52; Gaps 9;

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QY 89 GLVVVKMKIYGL--HCSSEDLHAGQIALIKHGRKLNCDLYFSRKPCS-----ACIKM 140
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 22 GSVVVKNGRIYGLGALHKKKGKHALEVAQIEMAGLNTQATIVYSLPCTHHGSTPCVHK 81
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 141 IVNAGVNRISYWPADPEISLITPSSSEDATLDAKAVERLKSRAHVCYLLOPLVCYV 200
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 82 IIEAGISKVIYAVKD-----TLVSKGDEILREAGIEVEFOYENNA-----ALAYRD 128
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 201 QFVEETSYKCDFOIKITKTLPDANTDFYEECK--QERIKE--YEMLFLVSNEMHKQIL 255
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 129 FFTAARNEVEPTVVKVSSSLDGKQATDNESKMTNKEVEDYQOL-----RHEHDA 180
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 256 MTIGLENL-CENPYFSLRQNMKDLILLATVASSVPNFKH 295
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 181 VTGRRRTIADNPPLYT-----TRVPDGGH 204
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RESULT 9
US-09-134-001C-5150
; Sequence 5150, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
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;; SEQ ID NO 5150
;; LENGTH: 350
;; TYPE: PRT
;; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5150

Query Match          6.2%; Score 109; DB 2; Length 350;
Best Local Similarity 21.7%; Pred. No. 0.0026;
Matches 48; Conservative 35; Mismatches 86; Indels 52; Gaps 9;

Cy 89 GLVVKNNKIVGL--HCSSEDLHAGQIALIKHGRSLKCDLYFSRKPSCS-----ACDKM 140
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Db 29 GSVVKNKRIVGLGHLKKGDHAEVQALHMAGLNTGAGTIYVSLPCTHHGSTPCYDK 88
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Cy 141 VNAGVNRISYWPADPEISLTLEASSSEDADKIDAVARLKSNSRAHVCVLLQPLVCYV 200
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 89 IIEAGISKVIYAVKD-----TLVSKGDEILREAGIEVEFQYNENA-----AALYRD 135

Cy 201 QFVESTSKCPFIQKITLPLDANTDFYECK---QERIKE--YEMLFVSNEMHKQIL 255
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Db 136 PPTARKNVPEVTYVSSSLQKQATDNESKMTTKKEDVYQL-----RHEHDA 187

Cy 256 MTIGLENT-CENPYFSNLRQNNKQDILLATVASSVPNPKH 295
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 188 VITGRRTIEADNPITY-----TRVPDQKH 211

RESULT 10
US-09-068-195-12
; Sequence 12, Application US/090681958
; Patent No. 6140078
; GENERAL INFORMATION:
; APPLICANT: Sanders, Jan W.
; APPLICANT: Ledebuer, Adrianus M.
; APPLICANT: Venema, Gerard
; APPLICANT: Kok, Jan
; TITLE OF INVENTION: Salt-inducible Promoter Derivable from a Lactic Acid
; TITLE OF INVENTION: Bacterium, and Its Use in a Lactic Acid Bacterium for
; FILE REFERENCE: Sanders-60113/0252227
; CURRENT APPLICATION NUMBER: US/09/068,195B
; EARLIER FILING DATE: 1998-07-29
; EARLIER APPLICATION NUMBER: PCT/EP97/04755
; EARLIER FILING DATE: 1997-08-20
; EARLIER APPLICATION NUMBER: EP 97200744/7
; EARLIER FILING DATE: 1997-03-13
; EARLIER APPLICATION NUMBER: BP 96202444/4
; EARLIER FILING DATE: 1996-09-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 297
; TYPE: PRT
; ORGANISM: S. gorodnii
US-09-068-195-12

Query Match          6.1%; Score 107.5; DB 2; Length 297;
Best Local Similarity 21.0%; Pred. No. 0.003;
Matches 57; Conservative 52; Mismatches 125; Indels 37; Gaps 11;
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Db 168 LTLETETPASEMNRQPFNNLPENRRRIITKMLLVNVSACIENHNL---QVAKPELVYI 224
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Cy 310 HNOGLPQ-EIARHCWVQ--ARLLAYRTGELH 337
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 225 DNTKIPETDLYDRVLTKYKHKALYSYKVGNP 255

RESULT 11
US-09-227-357-347
; Sequence 347, Application US/09227357
; Patent No. 6342581
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/227,357
; EARLIER FILING DATE: 1999-01-08
; EARLIER APPLICATION NUMBER: PCT/US98/13684
; EARLIER FILING DATE: 1998-07-07
; EARLIER APPLICATION NUMBER: 60/051,926
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,793
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,925
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,929
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,803
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,732
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,931
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,932
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,916
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,930
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,918
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,920
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,733
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/052,795
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,919
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/051,928
; EARLIER FILING DATE: 1997-07-08
; EARLIER APPLICATION NUMBER: 60/055,722
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,723
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,948
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,949
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,953
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,950
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,947
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,964
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/056,360
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,684
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,984
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; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,954
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/058,785
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,664
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,660
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,661
; NUMBER OF SEQ ID NOS: 672
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 347
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-227-357-347

Query Match          6.0%; Score 105; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 9e-05;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      4 AGOMONLESARAGRSVSTGTGS 25
Db      3 AGOMONLESARAGRSVSTGTGS 24

RESULT 12
US-09-973-278-383
; Sequence 383, Application US/09973278
; Patent No. 6924354
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P201072
; CURRENT APPLICATION NUMBER: US/09/973,278
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: 60/239,899
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 09/227,357
; PRIOR FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: PCT/US98/13684
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/051,926
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,793
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,925
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,929
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,803
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,732
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,931
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,932
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,916
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,930
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,918
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,920
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,733
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,795
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,919

; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/051,928
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/055,722
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,723
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,948
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,949
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,953
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,950
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,947
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,964
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/056,360
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,684
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,984
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/055,954
; PRIOR FILING DATE: 1997-08-18
; PRIOR APPLICATION NUMBER: 60/058,785
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,664
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,660
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,661
; NUMBER OF SEQ ID NOS: 947
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 383
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-973-278-383

Query Match          6.0%; Score 105; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 9e-05;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      4 AGOMONLESARAGRSVSTGTGS 25
Db      3 AGOMONLESARAGRSVSTGTGS 24

RESULT 13
US-09-134-000C-3746
; Sequence 3746, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3746
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-3746
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Query Match 5.6%; Score 98.5; DB 2; Length 171;  
Best Local Similarity 23.4%; Pred. No. 0.012;  
Matches 33; Conservative 22; Mismatches 47; Indels 39; Gaps 4;  
QY GLVVVKNMKY-----GLHCSSR-----DLAAGIALI---KIGSRUKN 124  
DB 33 GATTVDRKRIIAGGNGSVSGCTHCIDGCVVDNHCRTTHAEMNAILQCAKGVPTGEG 92  
QY 125 CDLYFSRKPSCACLMYVAGVNRISYWPADPEISLTTEASSSEDAKLDAKAVRLKSN 184  
DB 93 AEIVTTHPCLQCTCKMILQAGIKKIYY-----LNDYRDATVALNMLEQVG 137  
QY 185 RAHVCVLLQPLVCTWQVEER 205  
DB 138 PTVEKVTLPVKRYFAELQWGEER 158  
RESULT 14  
US-09-543-681A-6274  
; Sequence 6274, Application US/09543681A  
; Patent No. 6605709  
; GENERAL INFORMATION:  
; APPLICANT: GARY BRETON  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
; FILE REFERENCE: 2709.1002-001  
; CURRENT APPLICATION NUMBER: US/09/543, 681A  
; CURRENT FILING DATE: 2000-04-05  
; PRIOR APPLICATION NUMBER: US 60/128,706  
; PRIOR FILING DATE: 1999-04-09  
; NUMBER OF SEQ ID NOS: 8344  
; SEQ ID NO 6274  
; LENGTH: 1244  
; TYPE: PRT  
; ORGANISM: Proteus mirabilis  
US-09-543-681A-6274

Query Match 5.6%; Score 98.5; DB 2; Length 1244;  
Best Local Similarity 18.8%; Pred. No. 0.33;  
Matches 78; Conservative 67; Mismatches 164; Indels 105; Gaps 17;  
QY 1 MKKAGQONLESARAGSVSTQTSMTGQIPRLSKNLFLLSLMME----- 47  
DB 210 LKQQAQWVALDATTROELLTQOANTIQAVTRLOKEQGEYQVAKOWEKALEIQOQOOSA 269  
QY 48 -----LPPAAGROKSKNEBG-KHGPIGDNEER-----TRVSTDKRQ 84  
DB 270 QAGINBAQALITAPQDQREKNEPAKIRPLYDEKRRLTBQNYLATQUTSLKTERQA 329  
QY 85 VKRTGLVVVKNMKIVGLHCSSSEDLHA-----GQIALI-----KHG 119  
DB 330 IEQOSLPI--NKGLADFHQKLTNHEKKQHTLQIREKVLPLDNQGLLQOEISTNNQHK 387  
QY 120 SRL-KNCDLYFSRKPSCACLMYVAGVNRIS-----YWPADPE 157  
DB 388 HKLEKICAEYIQHSLQLEKKLITTOQVNOQLNNDLTOHAYHAOLAENLPLWQHYEQYNE 447  
QY 158 ISLTTEASSSEDAKLDAKAVRLKSNRA-HVCVLLQPLVCTWQVEERTSYKCDFTQKI 216  
DB 448 ISSQYLANQREYTBQEKVISEKALQOATOTLATQDEQALNQOQLOSYOTQUDAROKA 507  
QY 217 TKTLPDANTDFYECQERIKREYEMTLFVSNBEMHKQILMTIGLENCENPYFSNLRQNM 276  
DB 508 DK--PD--EIKPRLQOQINLOKNAKLIIN---LHTQ-LQRNGKE---QOHYQTLSENO 555  
QY 277 KDLILLATVASSVFNPFHGFYSNPEQINEIH-NOSLPEIARHCWQARLL 329  
DB 556 QKIATLTQTTAENDLAK-----EKAQHLKDLNDNYLLQKVAVEQGERARLL 603

Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 26732  
; LENGTH: 547  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-26732  
Query Match 5.6%; Score 98; DB 2; Length 547;  
Best Local Similarity 20.0%; Pred. No. 0.096;  
Matches 48; Conservative 26; Mismatches 86; Indels 80; Gaps 6;  
QY 5 GOMONLESARAGSVSTQTSMTGQIPRLSKNLFLLSLMMEFLPPAAGROKSKNEBG 64  
DB 49 GQARRHARPPGASGGRAPSGHRRHPQAPV-----ARRRARDQVAGAG 94  
QY 65 KHG-----PLGDNEERTVSTDKRQV----- 85  
DB 95 RTDGRRAEARBRSLHPLFRGLPAPQRIIPGDRTPRRPAGQGNNAADPLVMARALEL 154  
QY 86 -----KRTGLVVVKNMKIV--GLHCSSSEDLAAGIALIHKHSRLKNCGLYFSRK 132  
DB 155 AROGLYTHNPVPGCVLVKDGQVGEVHVRAGEPHAEVHALROAGENARGATAYVTL 214  
QY 133 PCS-----ACLKMIYVAGVNRISYWPADPE-----ISLTTEASSSEDAKLDAKAVE 178  
DB 215 PCCHFRTPPCALVAGAVARVAAAMQDPNPEVAGGLRLMQAGIAVQSVLEAEARE 274

Search completed: September 16, 2006, 19:17:49  
Job time: 51 secs

RESULT 15  
US-09-252-991A-26732  
; Sequence 26732, Application US/09252991A

GenCore version 5.1.9  
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OM nucleic - nucleic search, using sw model

Run on: September 18, 2006, 01:17:09 ; Search time 337.697 Seconds  
(without alignments)  
5634.983 Million cell updates/sec

Title: US-10-785-135-3

Sequence: 1 atcgaagaagctcgagcat.....ctgctgagctacatgacg 1017

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 1403666 seqs, 935554401 residues

Total number of hits satisfying chosen parameters: 2807332

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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2: /EMC\_Celerra\_SIDS3/ptodata/2/ina/5/COMB.seq:\*  
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6: /EMC\_Celerra\_SIDS3/ptodata/2/ina/H/COMB.seq:\*  
7: /EMC\_Celerra\_SIDS3/ptodata/2/ina/P/COMB.seq:\*  
8: /EMC\_Celerra\_SIDS3/ptodata/2/ina/RE/COMB.seq:\*  
9: /EMC\_Celerra\_SIDS3/ptodata/2/ina/RE/COMB.seq:\*  
10: /EMC\_Celerra\_SIDS3/ptodata/2/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1017	100.0	1017	3	US-09-802-371-3
2	1017	100.0	1017	3	US-09-802-371-1
3	380.6	37.4	489	3	US-09-513-999C-4059
4	352.2	34.6	1555	3	US-09-621-976-132
5	294	28.9	1555	3	US-09-227-357-25
6	294	28.9	1555	3	US-09-973-278-37
7	52.6	5.2	1141	3	US-09-806-708B-22
8	43.2	4.2	7218	2	US-08-232-463-14
9	42	4.1	319	2	US-07-593-657-14
10	41.2	4.1	1241	2	US-07-593-657-6
11	41.2	4.1	1241	3	US-08-942-012B-3
12	40.4	4.0	601	3	US-09-949-016-40453
13	40.4	4.0	601	3	US-09-949-016-103300
14	40.4	4.0	601	3	US-09-949-016-151823
15	40.4	4.0	2737	3	US-09-484-970B-29
16	40.4	4.0	3015	3	US-09-949-016-2860
17	40.4	4.0	3083	2	US-08-346-849-1
18	40.4	4.0	3083	2	US-08-293-284A-1
19	40.4	4.0	3083	2	US-08-898-300-1
20	40.4	4.0	3083	3	US-08-824-513-1
21	40.4	4.0	4215	3	US-09-949-016-4259
22	40.4	4.0	5786	3	US-09-949-016-1142
23	40.4	4.0	7015	3	US-09-949-016-14602

C	24	40.4	4.0	317366	3	US-09-949-016-16001	Sequence 16001, A
	25	40.2	4.0	832	3	US-09-621-976-2813	Sequence 2813, Ap
	26	40.2	4.0	29560	3	US-09-949-016-11978	Sequence 11978, A
	27	40.2	4.0	30054	3	US-09-949-016-16100	Sequence 16100, A
	28	40.2	3.9	1082144	4	US-09-531-120-211	Sequence 211, App
	29	39.8	3.9	601	3	US-09-949-016-22828	Sequence 22828, A
	30	39.8	3.9	601	3	US-09-949-016-155756	Sequence 155756, A
	31	39.2	3.9	68490	3	US-09-949-016-15849	Sequence 15849, A
	32	38.8	3.8	26465	3	US-09-949-016-13747	Sequence 13747, A
	33	38.6	3.8	601	3	US-09-949-016-156596	Sequence 56596, A
	34	38.6	3.8	99304	3	US-09-949-016-15440	Sequence 15440, A
	35	38.6	3.8	194915	3	US-09-949-016-15584	Sequence 15584, A
	36	38.6	3.8	636591	3	US-09-949-016-11808	Sequence 11808, A
	37	38.6	3.8	636591	3	US-09-949-016-13388	Sequence 13388, A
	38	38.4	3.8	555	3	US-09-248-796A-6899	Sequence 6899, Ap
	39	38.4	3.8	601	3	US-09-949-016-179878	Sequence 179878, Ap
	40	38.4	3.8	640681	3	US-09-790-988-1	Sequence 1, Appl
	41	38.4	3.8	1664976	3	US-08-916-421B-1	Sequence 1, Appl
	42	38.4	3.8	1664976	3	US-09-692-570-1	Sequence 1, Appl
	43	38.2	3.8	54678	3	US-09-949-016-12255	Sequence 12255, A
	44	37.8	3.7	22118	3	US-09-815-981A-5	Sequence 5, Appl
	45	37.8	3.7	50000	3	US-09-662-254B-26	Sequence 26, Appl

#### ALIGNMENTS

RESULT 1  
US-09-802-371-3  
Sequence 3, Application US/09802371  
Patent No. 6723533  
GENERAL INFORMATION:  
APPLICANT: Keyers, Rachel  
TITLE OF INVENTION: Rudolph-Owen, Laura  
TITLE OF INVENTION: 26934, A No. 6723533el Cytidine Deaminase-Like  
FILE REFERENCE: 35800/213921  
CURRENT APPLICATION NUMBER: US/09/802,371  
CURRENT FILING DATE: 2004-03-09  
PRIOR APPLICATION NUMBER: 60/188,294  
PRIOR FILING DATE: 2000-03-10  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 1017  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-802-371-3

Query Match	100.0%	Score 1017	DB 3	Length 1017
Best Local Similarity	100.0%	Pred. No. 1.9e-268	Indels 0	Gaps 0
Matches 1017	Conservative	0	Mismatches 0	
QY	1	ATGAAAGAGCTGGGAGATGCAATCTGAGAGGCGGCGGTGAGTCAGC	60	
DB	1	ATGAAAGAGCTGGGAGATGCAATCTGAGAGGCGGCGGTGAGTCAGC	60	
QY	61	ACCCAGACTGCGAGATGACCGGTGATGATCCAGGCTTTCTAAATCACTTTCACT	120	
DB	61	ACCCAGACTGCGAGATGACCGGTGATGATCCAGGCTTTCTAAATCACTTTCACT	120	
QY	121	CTGCTCAGCTTGTGATGAGCTTTTTCAGAGAAAGCCAGGCGGAAATATTCGAAA	180	
DB	121	CTGCTCAGCTTGTGATGAGCTTTTTCAGAGAAAGCCAGGCGGAAATATTCGAAA	180	
QY	181	AATGAAGAGGGAAGCATGACCTTAGAGATTAATGAAGAGGACGAGATATCACT	240	
DB	181	AATGAAGAGGGAAGCATGACCTTAGAGATTAATGAAGAGGACGAGATATCACT	240	
QY	241	GACAAAAGCAGATGAAGGAACTGCTTGTGTGTGTAATAAATGTAATTTGGGT	300	
DB	241	GACAAAAGCAGATGAAGGAACTGCTTGTGTGTGTAATAAATGTAATTTGGGT	300	

Oy	30	CTCCACGCTTCTAGTGAAGATTTCACATGCGGGGAGATGCTCTTAATTAACAGGGGTCA	3 60
Db	301	CTCCACGCTTCTAGTGAAGATTTCACATGCGGGGAGATGCTCTTAATTAACAGGGGTCA	3 60
Oy	361	AGGCTGAAAACTGTGATCTTTATTTTTCGAGAAAACATGTTCTGTGTTTGAAAAATG	4 20
Db	361	AGGCTGAAAACTGTGATCTTTATTTTTCGAGAAAACATGTTCTGTGTTTGAAAAATG	4 20
Oy	421	ATTGTAAATGCTGAGTTAACGAATTTTCAATCTGCGCTGATCCAGAAATAGTTTG	4 80
Db	421	ATTGTAAATGCTGAGTTAACGAATTTTCAATCTGCGCTGATCCAGAAATAGTTTG	4 80
Oy	481	CTTAACGAGGCTTCTAGTTCTGAAGATGCAGAAAGTTAGATCCAGAACGATGGAAGATTG	5 40
Db	481	CTTAACGAGGCTTCTAGTTCTGAAGATGCAGAAAGTTAGATCCAGAACGATGGAAGATTG	5 40
Oy	541	AAGCAAAACAGTGGGGCCCATGTGTGTCTTACTTCAACCTTTGGTGTATATAGTG	6 00
Db	541	AAGCAAAACAGTGGGGCCCATGTGTGTCTTACTTCAACCTTTGGTGTATATAGTG	6 00
Oy	601	CAGTTGTAGAGAGACCTTTACAAATGTGACTTTATTCAAAAATTACAAAAACATTG	6 60
Db	601	CAGTTGTAGAGAGACCTTTACAAATGTGACTTTATTCAAAAATTACAAAAACATTG	6 60
Oy	661	CCGAGTGTACACTGACTTTTATATATGAAATGTAACAGAAAGATTAAGAAATATAGAA	7 20
Db	661	CCGAGTGTACACTGACTTTTATATATGAAATGTAACAGAAAGATTAAGAAATATAGAA	7 20
Oy	721	ATGTTATTTTGGTTTCAATGAGAAATGCAATAGCAAAATAGATGACTATAGTTTG	7 80
Db	721	ATGTTATTTTGGTTTCAATGAGAAATGCAATAGCAAAATAGATGACTATAGTTTG	7 80
Oy	781	GAGAACCTGTGTGAAAAATCATCTTTAGCAATCTTAAGCAAAACATGAAGACTTATC	8 40
Db	781	GAGAACCTGTGTGAAAAATCATCTTTAGCAATCTTAAGCAAAACATGAAGACTTATC	8 40
Oy	841	CTACTTTTGGCACAGTAGCTTCCAGTGTGCCGAACTTTAAACACTTGCATTTTACCGT	9 00
Db	841	CTACTTTTGGCACAGTAGCTTCCAGTGTGCCGAACTTTAAACACTTGCATTTTACCGT	9 00
Oy	901	AGCAATCCAGAACAGTTAATGAAATTCACAATCAAAGTTTGCACAGGAAATTCAGAG	9 60
Db	901	AGCAATCCAGAACAGTTAATGAAATTCACAATCAAAGTTTGCACAGGAAATTCAGAG	9 60
Oy	961	CACGTCAATGTTCAAGCCAGTTATTTGGATATGCAACGTGGTGAATTACATAGATCG	10 17
Db	961	CACGTCAATGTTCAAGCCAGTTATTTGGATATGCAACGTGGTGAATTACATAGATCG	10 17

RESULT 2  
 US-09-802-371-1  
 Sequence 1, Application US/09802371  
 Patent No. 6723533  
 GENERAL INFORMATION:  
 APPLICANT: Meyers, Rachel  
 APPLICANT: Rudolph-Owen, Laura  
 TITLE OF INVENTION: Molecule and Uses Thereof  
 FILE REFERENCE: 35800/213921  
 CURRENT APPLICATION NUMBER: US/09/802,371  
 CURRENT FILING DATE: 2001-03-09  
 PRIOR APPLICATION NUMBER: 60/188,294  
 PRIOR FILING DATE: 2000-03-10  
 NUMBER OF SEQ. ID NOS: 4  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 1  
 LENGTH: 1585  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (149)...(1165)  
 NAME/KEY: misc\_feature

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; LOCATION: (1) .. (1585)
; OTHER INFORMATION: n = A, T, C or G
US-09-802-371-1

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Query Match	100.0%	Score 1017;	DB 3;	Length 1585;
Best Local Similarity	100.0%;	Pred. No. 2.3e-268;		
Matches 1017; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0

QY	1	ATGMAAAGCTGGGCGAGATGCAAAATCTGGAGGCGCGAGGCGCGGCGGATCGAGC	60
Db	149	ATGMAAAGACTGGGCGAGATGCAAAATCTGGAGGCGCGAGGCGCGGCGGCTCAGTCAGC	208
QY	61	ACCCAGACTGGCGAGCATGACCCGGTCAATATCAAGGCTTTCTAAAGTCAACTTTCACT	120
Db	209	ACCCAGACTGGCGAGCATGACCCGGTCAATATCAAGGCTTTCTAAAGTCAACTTTTCACT	268
QY	121	CTGCTCAGGCTCTGGATGAGAGCTTTTCCAGACGAAACCCGAGCGGCAAAAATCTCAGAAA	180
Db	269	CTGCTCAGGCTCTGGATGAGAGCTTTTCCAGACGAAACCCGAGCGGCAAAAATCTCAGAAA	328
QY	181	AATGAAGAGGGAAGCATGAGACCTTTAGAGATATGAAGAGAGACCAAGATCTACT	240
Db	329	AATGAAGAGGGAAGCATGAGACCTTTAGAGATATGAAGAGAGACCAAGATCTACT	388
QY	241	GACAAAAGACAGTTAAAGAGATCTGGTCTTGGTGGTGA AAAACATGAAAATTTGGT	300
Db	389	GACAAAAGACAGTTAAAGAGACTGGTCTTGGTGGTGA AAAACATGAAAATTTGGT	448
QY	301	CTCCACGTTCTAGTGAAGATTTATCATGCCGGGAGATGGCTTTATTTAAACATGGGCA	360
Db	449	CTCCACGTTCTAGTGAAGATTTATCATGCCGGGAGATGGCTTTATTTAAACATGGGCA	508
QY	361	AGGCTGAAAACTGTGATCTTTATTTTTCCAGAAAACATGTTCTGTTGTTGAAAATG	420
Db	509	AGGCTGAAAACTGTGATCTTTATTTTTCCAGAAAACATGTTCTGCTGTTGAAAATG	568
QY	421	ATTGTAAATGCTGAGTTAAACCAATTTCAATCTGGGCTGCTGATCCAGAAATAAGTTG	480
Db	569	ATTGTAAATGCTGAGTTAAACCAATTTCAATCTGGGCTGCTGATCCAGAAATAAGTTG	628
QY	481	CTTACGGAGGCTCTAATTCGTAAGATGCAAGTTAGTANTGCGCAAGCAGTGGAAAATG	540
Db	629	CTTACGGAGGCTCTAATTCGTAAGATGCAAGTTAGTANTGCGCAAGCAGTGGAAAATG	688
QY	541	AAGTCAAAACAGTCGGGCCCATGTGTGTGCTTACCTTCAACCTTTGTGTATATGGTG	600
Db	689	AAGTCAAAACAGTCGGGCCCATGTGTGTGCTTACCTTCAACCTTTGTGTATATGGTG	748
QY	601	CAGTTGTAGAAGAGACCTCTTACAAATGTGACTTTATCAA AAAATTTACAAAAACATG	660
Db	749	CAGTTGTAGAAGAGACCTCTTACAAATGTGACTTTATCAA AAAATTTACAAAAACATG	808
QY	661	CCGGATGCTAACCTGACTTTTATTAAGATGTAAACAAGAAAGATPAAAGATATGAA	720
Db	809	CCGGATGCTAACCTGACTTTTATTAAGATGTAAACAAGAAAGATPAAAGATATGAA	868
QY	721	ATGTATTTTTGGTTCAAAATGAAGATGCATAGCAAAATACTGATCACTATAGTTTG	780
Db	869	ATGTATTTTTGGTTCAAAATGAAGATGTAGCAAAATACTGATCACTATAGTTTG	928
QY	781	GAGAACTGTGTGAAAAATCCATACTTTAGCATTTAAGGCAGAAAACATGAAAGACCTTATC	840
Db	929	GAGAACTGTGTGAAAAATCCATACTTTAGCATTTAAGGCAGAAAACATGAAAGACCTTATC	988
QY	841	CTAATTTTGGCAACAGTAGCTCCAGGTGCGGAACTTTAAACACTTCGATTTTAAACCGT	900
Db	989	CTAATTTTGGCAACAGTAGCTCCAGGTGCGGAACTTTTAAACACTTCGATTTTAAACCGT	1048
QY	901	AGCAATCCAGAACAGATTAATGAAATTCACATCAAAAGTTTGCACAGAAATTTGCAAG	960
Db	1049	AGCAATCCAGAACAGATTAATGAAATTCACATCAAAAGTTTGCACAGAAATTTGCAAG	1108
QY	961	CATGCAATGGTTACGCGCAAGGTTATTTGGCATATCGAACTGGTAGTTACATAGATCG	1017

Db 1109 CACTGATGTTAGGCGGAGTTATGTCATATGAACTGCTGAGTTACATGATCG 1165

RESULT 3  
US-09-513-999C-4059  
Sequence 4059, Application US/0951399C

Patent No. 6783961  
GENERAL INFORMATION:  
APPLICANT: Dumas Milne Edwards, J.B.  
APPLICANT: Duclert, A.  
APPLICANT: Giordano, J.Y.  
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

FILE REFERENCE: 59.US2.REG  
CURRENT APPLICATION NUMBER: US/09/513,999C  
CURRENT FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/122,487  
PRIOR FILING DATE: 1999-02-26  
NUMBER OF SEQ ID NOS: 36681  
SOFTWARE: Patent.pm  
SEQ ID NO 4059

LENGTH: 489  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 98..460  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 458  
OTHER INFORMATION: r=a or g  
FEATURE:  
NAME/KEY: UNSURE  
LOCATION: 121  
OTHER INFORMATION: Xaa-Gly or Ser  
US-09-513-999C-4059

Query Match 37.4%; Score 380.6; DB 3; Length 489;  
Best Local Similarity 99.5%; Pred. No. 2.9e-94;  
Matches 391; Conservative 1; Mismatches 0; Indels 1; Gaps 1;

QY 1 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCTGATCAGC 60  
Db ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCTGATCAGC 157  
QY 61 ACCGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCTGATCAGC 120  
Db ACCGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCTGATCAGC 217  
QY 121 CTGCTAGCTCTGATGAGCTCTTCCAGAGAACCCGAGGCAAAATCTCAGAA 180  
Db CTGCTAGCTCTGATGAGCTCTTCCAGAGAACCCGAGGCAAAATCTCAGAA 277  
QY 218 CTGCTAGCTCTGATGAGCTCTTCCAGAGAACCCGAGGCAAAATCTCAGAA 277  
Db 181 AATGAAGAGGAAAGCATGACCTTGAAGATATGAAGAGGACCAAGATCTACT 240  
QY 278 AATGAAGAGGAAAGCATGACCTTGAAGATATGAAGAGGACCAAGATCTACT 337  
Db 241 GACAAAAGACAGTAAGAGACCTGCTGTGTGTGTAAGAAATGTAATGTTGCT 300  
Db 338 GACAAAAGACAGTAAGAGACCTGCTGTGTGTGTAAGAAATGTAATGTTGCT 397  
QY 301 CTCACCTGTTCTAGTGAAGATTACATGCGGCGAGATTGCTCTTAATTAACATGGGTCA 360  
Db CTCACCTGTTCTAGTGAAGATTACATGCGGCGAGATTGCTCTTAATTAACATGGGTCA 456  
QY 398 CTCACCTGTTCTAGTGAAGATTACATGCGGCGAGATTGCTCTTAATTAACATGGGTCA 456  
Db 361 AGGCTGAAAAGCTGTGATCTTTATTTTCCAGA 393  
QY 457 AGGCTGAAAAGCTGTGATCTTTATTTTCCAGA 489  
Db 457 AGGCTGAAAAGCTGTGATCTTTATTTTCCAGA 489

RESULT 4  
US-09-621-976-132

Sequence 132, Application US/09621976  
Patent No. 6639063

GENERAL INFORMATION:  
APPLICANT: Dumas Milne Edwards, J.B.  
APPLICANT: Joibert, S.  
APPLICANT: Giordano, J.Y.  
TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
FILE REFERENCE: GENSET.054PR2  
CURRENT APPLICATION NUMBER: US/09/621,976  
CURRENT FILING DATE: 2000-07-21  
NUMBER OF SEQ ID NOS: 19335  
SOFTWARE: Patent.pm  
SEQ ID NO 132

LENGTH: 477  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 124..477  
NAME/KEY: s19\_peptide  
LOCATION: 124..273  
OTHER INFORMATION: Von Heijne matrix  
OTHER INFORMATION: score 6  
OTHER INFORMATION: seq LFTLTLIMMELFP/AB  
NAME/KEY: misc\_feature  
LOCATION: 394  
OTHER INFORMATION: n=a, g, c or t  
US-09-621-976-132

Query Match 34.6%; Score 352.2; DB 3; Length 477;  
Best Local Similarity 99.2%; Pred. No. 1.7e-86;  
Matches 351; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCTGATCAGC 60  
Db 124 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCTGATCAGC 183  
QY 61 ACCGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCTGATCAGC 120  
Db 184 ACCGAGCTGGGAGATGCAAAATCTGAGAGCCGCGGCGGCTGATCAGC 243  
QY 121 CTGCTAGCTCTGATGAGCTCTTCCAGAGAACCCGAGGCAAAATCTCAGAA 180  
Db 244 CTGCTAGCTCTGATGAGCTCTTCCAGAGAACCCGAGGCAAAATCTCAGAA 303  
QY 244 CTGCTAGCTCTGATGAGCTCTTCCAGAGAACCCGAGGCAAAATCTCAGAA 303  
Db 181 AATGAAGAGGAAAGCATGACCTTGAAGATATGAAGAGGACCAAGATCTACT 240  
QY 304 AATGAAGAGGAAAGCATGACCTTGAAGATATGAAGAGGACCAAGATCTACT 363  
Db 241 GACAAAAGACAGTAAGAGAACTGCTGTGTGTGTAAGAAATGTAATGTTGCT 300  
QY 364 GACAAAAGACAGTAAGAGAACTGCTGTGTGTGTAAGAAATGTAATGTTGCT 423  
Db 301 CTCACCTGTTCTAGTGAAGATTACATGCGGCGAGATTGCTCTTAATTAACAT 354  
QY 424 CTCACCTGTTCTAGTGAAGATTACATGCGGCGAGATTGCTCTTAATTAACAT 477  
Db 424 CTCACCTGTTCTAGTGAAGATTACATGCGGCGAGATTGCTCTTAATTAACAT 477

RESULT 5  
US-09-227-357-25  
Sequence 25, Application US/09227357  
Patent No. 6342581  
GENERAL INFORMATION:  
APPLICANT: Fischer et al.  
TITLE OF INVENTION: 123 Human Secreted Proteins  
FILE REFERENCE: P2010P1  
CURRENT APPLICATION NUMBER: US/09/227,357  
CURRENT FILING DATE: 1999-01-08  
EARLIER APPLICATION NUMBER: PCT/US98/13684  
EARLIER FILING DATE: 1998-07-07  
EARLIER APPLICATION NUMBER: 60/051,926  
EARLIER FILING DATE: 1997-07-08  
EARLIER APPLICATION NUMBER: 60/052,793

EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/051,925  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/051,929  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/052,803  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/052,732  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/051,931  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/051,932  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/051,916  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/051,930  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/051,918  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/051,920  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/052,733  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/052,795  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/051,919  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/051,928  
 EARLIER FILING DATE: 1997-07-08  
 EARLIER APPLICATION NUMBER: 60/055,722  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,723  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,948  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,949  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,953  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,950  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,947  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,964  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/056,360  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,684  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,984  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/055,954  
 EARLIER FILING DATE: 1997-08-18  
 EARLIER APPLICATION NUMBER: 60/058,785  
 EARLIER FILING DATE: 1997-09-12  
 EARLIER APPLICATION NUMBER: 60/058,664  
 EARLIER FILING DATE: 1997-09-12  
 EARLIER APPLICATION NUMBER: 60/058,660  
 EARLIER FILING DATE: 1997-09-12  
 EARLIER APPLICATION NUMBER: 60/058,661  
 EARLIER FILING DATE: 1997-09-12  
 NUMBER OF SEQ ID NOS: 672  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 25  
 LENGTH: 1555  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: SITE  
 LOCATION: (1248)  
 OTHER INFORMATION: n equals a,t,g, or c  
 FEATURE:  
 NAME/KEY: SITE

LOCATION: (1389)  
 OTHER INFORMATION: n equals a,t,g, or c  
 FEATURE:  
 NAME/KEY: SITE  
 LOCATION: (1391)  
 OTHER INFORMATION: n equals a,t,g, or c  
 FEATURE:  
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 LOCATION: (1393)  
 OTHER INFORMATION: n equals a,t,g, or c  
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 NAME/KEY: SITE  
 LOCATION: (1396)  
 OTHER INFORMATION: n equals a,t,g, or c  
 FEATURE:  
 NAME/KEY: SITE  
 LOCATION: (1551)  
 OTHER INFORMATION: n equals a,t,g, or c  
 US-09-227-357-25  
 Query Match 28.9%; Score 294; DB 3; Length 1555;  
 Best Local Similarity 95.2%; Pred. No. 2.4e-70;  
 Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;  
 QY 412 TTGAAATGATGTGAATGCTGAGTTACCGAATTTCACTGCGCTGATCCAGAA 471  
 DB 1209 TTTTATATCATGAGAGAGCTGAGTGAACCGAATTTCAACTGCTGATCCAGAA 1268  
 QY 472 ATAAAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAGTAGATCCAAAGCAGTG 531  
 DB 1269 ATAAAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAGTAGATCCAAAGCAGTG 1328  
 QY 532 GAAAGTTGAAGTCAACAGCTGGGCGCCATGTGTGTCTTACTTCAACTTTGTGTGT 591  
 DB 1329 GAAAGTTGAAGTCAACAGCTGGGCGCCATGTGTGTCTTACTTCAACTTTGTGTGT 1388  
 QY 592 TATATGTCAGTTGTAGAGAGACCTCTCAAAATGTGACTTTATCAAAAATTACA 651  
 DB 1389 NANAAGNCAGTTGTAGAGAGACCTCTCAAAATGTGACTTTATCAAAAATTACA 1448  
 QY 652 AAAACATTCGCGAGTCTTACACTGACTTTTATGAATGTAAACAAGAAATPAAA 711  
 DB 1449 AAAACATTCGCGAGTCTTACACTGACTTTTATGAATGTAAACAAGAAATPAAA 1508  
 QY 712 GAATATGAATGTGA 726  
 DB 1509 GAATATGAATGTGA 1523  
 RESULT 6  
 US-09-973-278-37  
 Sequence 37, Application US/09973278  
 Patent No. 6924354  
 GENERAL INFORMATION:  
 APPLICANT: Fischer et al.  
 TITLE OF INVENTION: 123 Human Secreted Proteins  
 FILE REFERENCE: P2010P2  
 CURRENT APPLICATION NUMBER: US/09/973,278  
 PRIOR FILING DATE: 2001-10-10  
 PRIOR APPLICATION NUMBER: 60/239,899  
 PRIOR FILING DATE: 2000-10-13  
 PRIOR APPLICATION NUMBER: 09/227,357  
 PRIOR FILING DATE: 1999-01-08  
 PRIOR APPLICATION NUMBER: PCT/US98/13684  
 PRIOR FILING DATE: 1998-07-07  
 PRIOR APPLICATION NUMBER: 60/051,926  
 PRIOR FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: 60/052,793  
 PRIOR FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: 60/051,925  
 PRIOR FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: 60/051,929  
 PRIOR FILING DATE: 1997-07-08

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/ LOCATION: (1393)..(1393)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (1395)..(1396)
/ OTHER INFORMATION: n equals a,t,g, or c
/ NAME/KEY: misc feature
/ LOCATION: (1551)..(1551)
/ OTHER INFORMATION: n equals a,t,g, or c
US-09-973-278-37

Query Match      28.9%; Score 294; DB 3; Length 1555;
Best Local Similarity 95.2%; Pred. No. 2,4e-70;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 412 TTGAAATGATGTATAATCTGAGTTAACCGAATTCATCTAGCGCTGATCCAGAA 471
Db 1209 TTTTAAATGATGAGAGACGTGAGTGAACCGAATTCATCTAGCGCTGATCCAGAA 1268

Qy 472 ATAACTTGTCTTACGAGGCTTCTAGTCTGAAAGATGCAGAAATGTAGATGCCAAGCAGTG 531
Db 1269 ATAACTTGTCTTACGAGGCTTCTAGTCTGAAAGATGCAGAAATGTAGATGCCAAGCAGTG 1328

Qy 532 GAAAGATTGAAGCAACAGTGGGGCCATGATGTGTCTTACTCAACCTTTGGTGTGT 591
Db 1329 GAAAGATTGAAGCAACAGTGGGGCCATGATGTGTCTTACTCAACCTTTGGTGTGT 1388

Qy 592 TATATGATGACAGTTTGTAGAGAGACCTCTTCAAAATGTACTTTATTCAAAAATTACA 651
Db 1389 NAANAAGNCAGTTTGTAGAGAGACCTCTTCAAAATGTACTTTATTCAAAAATTACA 1448

Qy 652 AAAACATTCGGGATCTTACACCTGACTTTTATGATGTAAACAGAAAAAATTAATA 711
Db 1449 AAAACATTCGGGATCTTACACCTGACTTTTATGATGTAAACAGAAAAAATTAATA 1508

Qy 712 GAATATGAATGTTA 726
Db 1509 GAATATGAATGTTA 1523

RESULT 7
US-09-806-708B-22/c
Sequence 22, Application US/09806708B
Patent No. 6784342
GENERAL INFORMATION:
APPLICANT: The University of British Columbia
TITLE OF INVENTION: Regulation of Embryonic Transcription in Planes
FILE REFERENCE: 4810-58741
CURRENT APPLICATION NUMBER: US/09/806,708B
CURRENT FILING DATE: 2001-04-03
PRIORITY APPLICATION NUMBER: US 60/147,133
PRIOR FILING DATE: 1999-08-04
NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.0
SEQ ID NO 22
LENGTH: 1141
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
NAME/KEY: promoter
LOCATION: (1)..(1141)
OTHER INFORMATION: consensus sequence of A.t., L.a., and B.n. FAEI promoters
US-09-806-708B-22

Query Match      5.2%; Score 52.6; DB 3; Length 1141;
Best Local Similarity 12.1%; Pred. No. 0.00028;
Matches 106; Conservative 304; Mismatches 461; Indels 3; Gaps 2;

Qy 88 ATACCAAGCTTTCTTAAGTCAACCTTTTCACTCTGCTCAGCTCTGATGAGACTCTTT 147
Db 1051 AANSCATKEMMTTKMYATKRYTAYVAMCAVRNNNNMCATGTGAKSCATNNAMMYATTR 992

Qy 148 CCAGCAAGAACCCAGCGCAAAAATCTCAGAAAAATGAAGAGGAAAGCATGAGACCTTTA 207
Db 148 CCAGCAAGAACCCAGCGCAAAAATCTCAGAAAAATGAAGAGGAAAGCATGAGACCTTTA 207

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Db 991 WAAVAAAKMARMAGNNNMTGAAAGNKGCMAAATGMBWADTAGKCKNNNNNTTGV 932
Qy 208 GGAATATGAGAGAGAGAGAGATCTAGCAAAAAGACAGTAAGAGAGAGTGT 267
Db 931 RRMAKAKNNNNNNAVYACYNRAATNNKATMMKMTGHSHSRRIHRTORIKYN 872
Qy 268 CTGTGTGGTGAAGAAACATGAAATTTGGTCTCCAGCTGTTAGTGAAGATTACAT 327
Db 871 NNNNNATVYVYHHAARBMNAWTRNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 812
Qy 328 GCGGAGAGATGCTCTTATTAACATGGCTCAAGGCTGAAAACCTGATCTTATTTT 387
Db 811 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 752
Qy 388 TCCGAAAGACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 445
Db 751 WYMDMTWTBTTRNNNTSTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 692
Qy 446 TTTCATCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 505
Db 691 TDARTNNNTVYMRMRMTNTKTRVSTTRRHVYGAATNNNNNNNNNNNNNNNNNN 632
Qy 506 ATGCAAGTAGAGCCAAAGCAGTGAAGATGAAGTGAAGTGAAGTGAAGTGAAGT 555
Db 631 MMTTMTKMGDMTKVKKVKKRDTCTVYDVADSWWWTANMRCBDVYTRNNNTYCK 572
Qy 566 GTGCTTACTTCAACCTTGGTGTATATGCTGCTGCTGCTGCTGCTGCTGCTGCT 625
Db 571 YAHSYWYNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNTD 512
Qy 626 AATGCTGCTTATTCAAAATTAACAAAACATTCGCGAGTGAACATGCTGCTTAT 685
Db 511 TRYNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNT 452
Qy 686 ATGCAATTAACAAAGAAAGATAAAGATGATGAATGATGATGATGATGATGATG 745
Db 451 MNNRRAMKMMMAWCRPAJCCNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 392
Qy 746 AATGCAATGAACAATCTGATGCTAGTGTGGAACCTGTGGAATTCATAT 805
Db 391 VAMWYSDTNTDMMWMTSDMBHWYTVDTMMRAVNNNNNNNNNNNNNNNNNNNN 332
Qy 806 TTGACATCTAAGCAAAAACATGAACCTTACTTGTGCTGCTGCTGCTGCTGCT 865
Db 331 NTHCTYNNNTGSAVYBMAASMAAGASNBVTYMCWRTYMGKTNNNNNNNNNN 272
Qy 866 GTGGCGCACTTAACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 924
Db 271 KTVAMCNRYYTDAVNTBKRYCYAYBYMYMTYMGKHWBWRDABHRSNNNNVVC 212
Qy 925 ATTCACATCAAACTTGCACAGAAATTCGA 958
Db 211 RNKMYSMHYAMRYBKABAVGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 178

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RESULT 8
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-9300
; TELEFAX: (703) 683-4109
;
; TELEFAX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: PTZgpt-Fls
;
; US-08-232-463-14

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Query Match 4.2%; Score 43.2; DB 2; Length 7218;

Best Local Similarity 1.6%; Pred. No. 0.22; Mismatches 156; Indels 0; Gaps 0;

Matches 6; Conservative 218; Mismatches 156; Indels 0; Gaps 0;

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Qy 1 ATGAAAGAGCTGGCGAGATGCAAAATCTGAGAGCGCGCGGCTGATCAGC 60
Db 1436 ACRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNR 1377
Qy 61 ACCGACAGTGGAGATGACCGGTGATGATCAAGCTTCAAGTCACTTTTCACT 120
Db 1376 RRRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNR 1317
Qy 121 CTGCTAGCTCTGAGATGAGCTCTTCCAGCAAGAGCCGAGGGAATAATCTGAAA 180
Db 1316 RRRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNR 1257
Qy 181 AATGAGAGAGAGAGATGACCTTGAAGATGAAGAGAGAGAGATGATCTACT 240
Db 1256 RRRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNR 1197
Qy 241 GACAAAGACAGTAAGAGAACTGCTTGTGTGTGTAAGAAACATGAAATTTGTTGT 300
Db 1196 RRRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNR 1137
Qy 301 CTCTAGCTTCTAGTAAGATTTACATGCCGCGAGATGCTTCTTAAACATGGGTCA 360
Db 1136 RRRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNR 1077
Qy 361 AGGCTGAAAGCTGTGATCT 380
Db 1076 RRRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNRNR 1057

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RESULT 9
US-07-593-657-14/c
; Sequence 14, Application US/07593657
; Patent No. 526317
; GENERAL INFORMATION:
; APPLICANT: Tomaleki, Michael D.
; APPLICANT: Miller, Lois K.
; TITLE OF INVENTION: INSECT-SPECIFIC PARALYTIC NEUROTOXIN
; TITLE OF INVENTION: GENES FOR USE IN BIOLOGICAL INSECT CONTROL: METHODS AND

```



TITLE OF INVENTION: COMPOSITIONS  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Greenlee and Winner, P.C.  
STREET: 5370 Manhattan Circle, Suite 201  
CITY: Boulder  
STATE: CO  
COUNTRY: USA  
ZIP: 80303  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/593,657  
FILING DATE: 19901004  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Feider, Donna M.  
REGISTRATION NUMBER: 33,878  
REFERENCE/DOCKET NUMBER: 14-90  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 303/499-8080  
TELEFAX: 303/499-8089  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 319 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA to mRNA  
US-07-593-657-14

Query Match 4.1%; Score 42; DB 2; Length 319;  
Best Local Similarity 51.0%; Pred. No. 0.13;  
Matches 99; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 578 AACCTTGGTGTATATGTCAGTTGTGAGAGAGACCTCTTACAAATGTCATT 637  
DB 210 AATATTATGTTTAAAAAATCAAAATTTAGAAAGTACTCTTAATAAATAGTCAA 151  
QY 638 TTCAAAATTTACAAAACATGCGGATGCTAACACTGACTTTATTATGATGTAAC 697  
DB 150 TTATAGTATTTAAAAAATTAAGTAAATTAATCGAAATTTACTAAATTTAAAA 91  
QY 698 AAGAAAGATTAAGAATATGAATGTTATTTGTTCAATGAGAATGATGATAGC 757  
DB 90 GAATTTATTTATTAATATATGATTTATTTATTTAAAAAATCAAAATTTAAAA 31  
QY 758 AATATCTGATGACT 771  
DB 30 ATTTAACACGTCT 17

RESULT 10  
US-07-593-657-6/c  
Sequence 6, Application US/07593657  
Patent No. 5266317  
GENERAL INFORMATION:  
APPLICANT: Tomalski, Michael D.  
APPLICANT: Miller, Lois K.  
TITLE OF INVENTION: INSECT-SPECIFIC PARALYTIC NEUROTOXIN  
TITLE OF INVENTION: GENES FOR USE IN BIOLOGICAL INSECT CONTROL: METHODS AND  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Greenlee and Winner, P.C.  
STREET: 5370 Manhattan Circle, Suite 201  
CITY: Boulder  
STATE: CO  
COUNTRY: USA  
ZIP: 80303

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/593,657  
FILING DATE: 19901004  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Feider, Donna M.  
REGISTRATION NUMBER: 33,878  
REFERENCE/DOCKET NUMBER: 14-90  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 303/499-8080  
TELEFAX: 303/499-8089  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1241 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA to mRNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 119..985  
FEATURE:  
NAME/KEY: unsure  
LOCATION: -103...-100  
FEATURE:  
NAME/KEY: unsure  
LOCATION: 47..49  
US-07-593-657-6

Query Match 4.1%; Score 41.2; DB 2; Length 1241;  
Best Local Similarity 51.1%; Pred. No. 0.38;  
Matches 97; Conservative 0; Mismatches 93; Indels 0; Gaps 0;

QY 582 TTGCTGTGTATATGTCAGTTGTGAGAGAGACCTCTTACAAATGTCATTATCA 641  
DB 1166 TTGTTTAAAAAATCAAAATTTTAGAAAGTACTCTTAATAAATAGTCAATT 1107  
QY 642 AAAATTTACAAAACATGCGGATGCTAACACTGACTTTATTATGATGTAACAGA 701  
DB 1106 GTAAATTTAAAAAATTAAGTAAATTAATCGAAATTTTACTAAATTTAAAA 1047  
QY 702 AAGATTAAGAATATGAATGTTATTTGTTCAATGAGAATGATGATAGCAAT 761  
DB 1046 TTATATTTAAATATATGATTTATTTATTTAAAAAATCAAAATTTAAAAATTT 987  
QY 762 ACTGATGACT 771  
DB 986 AACACGTCT 977

RESULT 11  
US-08-942-012B-3/c  
Sequence 3, Application US/08942012B  
Patent No. 6235278  
GENERAL INFORMATION:  
APPLICANT: Miller, Michael D.  
APPLICANT: Lu, Albert  
APPLICANT: Dieters, Peter  
APPLICANT: Black, Bruce  
TITLE OF INVENTION: Biological Insect Control Agents Expressing  
TITLE OF INVENTION: Insect-Specific Toxin Genes, Methods and Compositions  
FILE REFERENCE: 28-96a  
CURRENT APPLICATION NUMBER: US/08/942,012B  
PRIOR FILING DATE: 1997-10-01  
PRIOR APPLICATION NUMBER: 08/729,606  
PRIOR FILING DATE: 2000-10-01  
NUMBER OF SEQ ID NOS: 33  
SOFTWARE: Patentin Ver. 2.0

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; SEQ ID NO 3
; LENGTH: 1241
; TYPE: DNA
; ORGANISM: Pyemotes tritici
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (119)..(985)
;
US-08-942-012B-3

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Query Match	4.1%;	Score 41.2;	DB 3;	Length 1241;
Best Local Similarity	51.1%;	Pred. No. 0.38;		
Matches 97;	Conservative 0;	Mismatches 93;	Indels 0;	Gaps 0;

QY	582	TTTGGTGTGTAATATGAGCGAGCTTGATGAGAGACCTCTTACAATGAGACTTATATCA	641
QY	1166	TTTGTCTTAAAAAAAATCATATTTTGTGAGAGTACTCTTATATAAAAATTACTCAATTTA	1107
QY	642	AAAAATTCAAAAAACATGCGCGATGCTAACACTGACTTTTATTTTGAATGAAACAGAA	701
QY	1106	GTAATTTTAAAAAATTAAGTAAAAATTAATGCAAAATTTTACTAATTTAAAAAATTTAAAAAGAA	1044
QY	702	AAGATATAAAGAAATGGAATGTTTATTTTGGTTCAATGAGAAATGCAATGACAAAT	761
QY	1046	TTATATTTTAAATATATGATTTTAAATTTATTTAAAAAATTCAAATATTTTAAAAATTT	987

QY	762	ACTGATGACT	771
Db	986	AACACGCTCT	977

RESULT 12  
US-09-949-016-40453

Patent No. 6812339  
: GENERAL INFORMATION:  
: APPLICANT: VENTER, J. Craig et al.  
: TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
: TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
: FILE REFERENCE: CL001307  
: CURRENT APPLICATION NUMBER: US/09/949,016  
: CURRENT FILING DATE: 2000-04-14  
: PRIOR APPLICATION NUMBER: 60/241,755  
: PRIOR FILING DATE: 2000-10-20  
: PRIOR APPLICATION NUMBER: 60/237,768  
: PRIOR FILING DATE: 2000-10-03  
: PRIOR APPLICATION NUMBER: 60/231,498  
: PRIOR FILING DATE: 2000-09-08  
: NUMBER OF SEQ ID NOS: 207012  
: SOFTWARE: FASTSEQ for Windows Version 4.0  
: SEQ ID NO 40453  
: LENGTH: 601  
: TYPE: DNA  
: ORGANISM: Human  
: US-09-949-016-40453

Query Match	4.0%	Score 40.4;	DB 3;	Length 601;
Best Local Similarity	51.1%	Pred. No. 0.47;		
Matches 95; Conservative	0;	Mismatches 91;	Indels 0;	Gaps 0;

QY	589	IGTTATATAGGCGACATGTTGAGAGAGACCTTTCAAAATGACCTTAATTCAAAAAT	648
Db	325	TGTTCTACATATATAGTAAACATGACACTTCTTTAGTCAACTAATGGAATTCATTT	384
QY	649	ACAAAAACATTCGCCGATGCTAACCTGACTTTATATGAATGTAAACAGAAAGAAAT	708
Db	385	AGAAAAAATTCGAATATATTCAGTAAATATACAAATTTTAAAGAAATGAGATTAACATTA	444
QY	709	AAAGATATGAATGTTATTTTGGTTCAATGAAGAATGCATAGCAATATCTGATG	768
Db	445	GAAAAAGAGTCATATCTCTTATTAGAAATTAATGAAAGTAAATAGAAATTTAATA	504
QY	769	ACTATA	774

Db 505 TCAGTA 510

RESULT 13  
US-09-949-016-103300  
Sequence 103300, Application US/09949016  
Patent No. 6810330

1. APPLICANT: VENTER, J. Craig et al.  
 2. TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 3. WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 4. FILE REFERENCE: CLO01307  
 5. CURRENT APPLICATION NUMBER: US/09/949, 016  
 6. CURRENT FILING DATE: 2000-04-14  
 7. PRIOR APPLICATION NUMBER: 60/241, 755  
 8. PRIOR FILING DATE: 2000-10-20  
 9. PRIOR APPLICATION NUMBER: 60/237, 768  
 10. PRIOR FILING DATE: 2000-10-03  
 11. PRIOR APPLICATION NUMBER: 60/231, 498  
 12. PRIOR FILING DATE: 2000-09-08  
 13. NUMBER OF SEQ. ID NOS: 207012  
 14. SOFTWARE: FastSeq for Windows Version 4.0  
 15. SEQ. ID NO 103300

TYPE: DNA  
ORGANISM: Human  
US-09-949-016-103300

Query Match	4.0%;	Score 40.4;	DB 3;	Length 601;
Best Local Similarity	51.1%;	Pred. No. 0.47;		
Matches 95;	Conservative 0;	Mismatches 91;	Indels 0;	Gaps 0.

QY	589	TGTTATTTGGTGGCGAGTTTGTAGAGGAAACCCTCTACAAATGTGACTTTATTCAAAAATTT	648
Db	325	TGTTCTCATATATATGAGTAAACATGACACTTCTTTTGTCAACTAATAGAAATTCATTT	384
QY	649	ACAAAAACATGGCCGATGCTAACACTGACTTTTATTATGATGTAAACAGAAAGAAATA	708
Db	385	AGAAAAAATTGATATTATTCAGGTTAATATCAATATTTAAGATGTAGATGAACTAAAA	444
QY	709	AAAGATATGAAATGTTATTTTGGTTTCAATGAAGAAATGCAATAGCAATATCTGATG	768
Db	445	GAAAAAGAGACTCATATATCTCTATTATGAATATATGAAAGTAAATGAAATTATTAATA	504
QY	769	ACTATA	774
Db	505	TCAGTA	510

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RESULT 14
US-09-949-016-151823
Sequence 151823 Application US/09949016
Patent No. 681239
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: C1001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 151823
LENGTH: 601
TYPE: DNA
ORGANISM: Human
US-09-949-016-151823

```

Query Match 4.0%; Score 40.4; DB 3; Length 601;  
Best Local Similarity 51.1%; Pred. No. 0.47;  
Matches 95; Conservative 0; Mismatches 91; Indels 0; Gaps 0;

QY 589 TGTATATGAGTGGTGTAGAGAGACCTTACAAATGCTTATTCAAAAATT 648  
DB 325 TGTTCACATATATGATGATTAACATGACACTTCTTTAGTCACTAATAGCAATTCATT 384  
QY 649 ACAAAACATGTCGCGATGCTAACACTGACTTTATATGATGATTAACAGAAAGATA 708  
DB 385 AGAAAAAATTGAAATTTAGTATGATTAATCAATATTTAGATGATGAACTAAAA 444  
QY 709 AAAGATATGAATGTTATTTTGGTTTCAATGAGAAATGCTAAGCAATATCTGATG 768  
DB 445 GAAAAAGAGTCACTAATCTCTTATTAAGAAATGAAATGAAATGAGAAATTATATA 504  
QY 769 ACTATA 774  
DB 505 TCAGTA 510

RESULT 15  
US-09-484-970B-29/C

; Sequence 29, Application US/09484970B  
; Patent No. 6426186  
; GENERAL INFORMATION:  
; APPLICANT: Jones, Karen A.  
; APPLICANT: Volkmutz, Wayne  
; APPLICANT: Walker, Michael G.  
; TITLE OF INVENTION: BONE REMODELING GENES  
; FILE REFERENCE: PB-0014 US  
; CURRENT APPLICATION NUMBER: US/09/484,970B  
; CURRENT FILING DATE: 2000-01-18  
; NUMBER OF SEQ ID NOS: 172  
; SOFTWARE: PERL Program  
; SEQ ID NO 29  
; LENGTH: 2737  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: incyte ID No. 6426186 235636.1CB1  
US-09-484-970B-29

Query Match 4.0%; Score 40.4; DB 3; Length 2737;  
Best Local Similarity 51.1%; Pred. No. 0.88;  
Matches 95; Conservative 0; Mismatches 91; Indels 0; Gaps 0;

QY 589 TGTATATGAGTGGTGTAGAGAGACCTTACAAATGCTTATTCAAAAATT 648  
DB 585 TGTTCACATATATGATGATTAACATGACACTTCTTTAGTCACTAATAGCAATTCATT 526  
QY 649 ACAAAACATGTCGCGATGCTAACACTGACTTTATATGATGATTAACAGAAAGATA 708  
DB 525 AGAAAAAATTGAAATTTAGTATGATTAATCAATATTTAGATGATGAACTAAAA 444  
QY 709 AAAGATATGAATGTTATTTTGGTTTCAATGAGAAATGCTAAGCAATATCTGATG 768  
DB 465 GAAAAAGAGTCACTAATCTCTTATTAAGAAATGAAATGAAATGAGAAATTATATA 406  
QY 769 ACTATA 774  
DB 405 TCAGTA 400

Search completed: September 18, 2006, 02:47:41  
Job time: 342.697 secs

GenCore version 5.1.9  
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OM nucleic - nucleic search, using sw model

Run on: September 18, 2006, 01:17:09 / Search time 526.303 Seconds  
(without alignments)  
5634.983 Million cell updates/sec

Title: US-10-785-135-1

Perfect score: 1582.8  
Sequence: 1 nscggtcaagctgagagcgt.....atagcaagctcgcactcta 1585

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 1403666 seqs, 935554401 residues

Total number of hits satisfying chosen parameters: 2807332

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database:

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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1	1582.8	100.0	1585	US-09-802-371-1	Sequence 1, Appl1
2	1017	64.3	1017	US-09-802-371-3	Sequence 3, Appl1
3	474.4	30.0	489	US-09-513-999C-4059	Sequence 4059, Ap
4	473.6	29.9	477	US-09-621-976-132	Sequence 132, App
5	294	18.6	1555	US-09-227-357-25	Sequence 25, Appl
6	294	18.6	1555	US-09-973-278-37	Sequence 37, Appl
7	94.8	6.0	601	US-09-949-016-42616	Sequence 42616, A
8	94.8	6.0	601	US-09-949-016-42648	Sequence 42648, A
9	94.8	6.0	601	US-09-949-016-42680	Sequence 42680, A
10	94.8	6.0	601	US-09-949-016-42712	Sequence 42712, A
11	94.8	6.0	601	US-09-949-016-42744	Sequence 42744, A
12	94.8	6.0	601	US-09-949-016-42776	Sequence 42776, A
13	94.8	6.0	601	US-09-949-016-93570	Sequence 93570, A
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15	94.8	6.0	601	US-09-949-016-93654	Sequence 93654, A
16	94.8	6.0	601	US-09-949-016-93656	Sequence 93656, A
17	94.8	6.0	601	US-09-949-016-93688	Sequence 93688, A
18	94.8	6.0	601	US-09-949-016-93730	Sequence 93730, A
19	94.8	6.0	32068	US-09-949-016-12970	Sequence 12970, A
20	94.8	6.0	32068	US-09-949-016-12971	Sequence 12971, A
21	94.8	6.0	32068	US-09-949-016-12972	Sequence 12972, A
22	94.8	6.0	32068	US-09-949-016-12973	Sequence 12973, A
23	94.8	6.0	32068	US-09-949-016-12974	Sequence 12974, A

24	94.8	6.0	32068	US-09-949-016-12975	Sequence 12975, A
25	94.8	6.0	32068	US-09-949-016-14436	Sequence 14436, A
26	94.8	6.0	32068	US-09-949-016-14437	Sequence 14437, A
27	94.8	6.0	32068	US-09-949-016-14438	Sequence 14438, A
28	94.8	6.0	32068	US-09-949-016-14439	Sequence 14439, A
29	94.8	6.0	32068	US-09-949-016-14440	Sequence 14440, A
30	94.8	6.0	32068	US-09-949-016-14441	Sequence 14441, A
31	93.6	6.01	3	US-09-949-016-164891	Sequence 164891, A
32	93.6	6.01	3	US-09-949-016-164892	Sequence 164892, A
33	93.6	5.9	36103	US-09-949-016-16382	Sequence 16382, A
34	93	5.9	123513	US-09-949-016-15794	Sequence 15794, A
35	92.2	5.8	18152	US-09-949-016-15794	Sequence 15794, A
36	92	5.8	116552	US-09-949-016-13413	Sequence 13413, A
37	91.8	5.8	2823	US-08-480-449-1	Sequence 1, Appl1
38	91.8	5.8	2923	US-08-660-542-1	Sequence 1, Appl1
39	91.8	5.8	2923	US-08-479-603-1	Sequence 1, Appl1
40	91.8	5.8	2923	US-08-939-107-1	Sequence 1, Appl1
41	91.8	5.8	2923	US-08-931-764-1	Sequence 1, Appl1
42	91.8	5.8	2923	US-09-591-992-1	Sequence 1, Appl1
43	91.8	5.8	2923	US-09-067-447B-1	Sequence 1, Appl1
44	91.8	5.8	2923	US-08-479-620-1	Sequence 1, Appl1
45	91.8	5.8	2923	US-09-837-446-5	Sequence 5, Appl1

#### ALIGNMENTS

RESULT 1  
US-09-802-371-1  
Sequence 1, Application US/09802371  
Patent No. 6723533  
GENERAL INFORMATION:  
APPLICANT: Meyers, Rachel  
TITLE OF INVENTION: 26934, A No. 6723533 Cyridine Deaminase-Like  
FILE REFERENCE: 35800/213921  
CURRENT APPLICATION NUMBER: US/09/802,371  
CURRENT FILING DATE: 2001-03-09  
PRIOR APPLICATION NUMBER: 60/188,294  
PRIOR FILING DATE: 2000-03-10  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1  
LENGTH: 1585  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (149)...(1165)  
NAME/KEY: misc\_feature  
LOCATION: (1)...(1585)  
OTHER INFORMATION: n = A,T,C or G  
US-09-802-371-1  
Query Match 100.0%; Score 1582.8; DB 3; Length 1585;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1584; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 2 GCGGTAACTGAGGCGGCTGCTGCGGCTAGTGGGCGGCTTACCTTACGTTGCTG 61  
DB 2 GCGGTAACTGAGGCGGCTGCTGCGGCTAGTGGGCGGCTTACCTTACGTTGCTG 61  
QY 62 AGAGGAGTGAAGGCGGCGGCTAGGCGGAGATCATGTCTGACTGGAGAGTTTCC 121  
DB 62 AGAGGAGTGAAGGCGGCGGCTAGGCGGAGATCATGTCTGACTGGAGAGTTTCC 121  
QY 122 TTGGCAGCAGAGGACCTTGGTTTGGAGTGAAGAGCTGGGAGATGCAAAATCTGGAG 181  
DB 122 TTGGCAGCAGAGGACCTTGGTTTGGAGTGAAGAGCTGGGAGATGCAAAATCTGGAG 181  
QY 182 AGCGAGGAGGCGGCGGCTGAGTCAAGCAGACTGGCAGCATGACCGGTGAGATACCA 241  
DB 182 AGCGAGGAGGCGGCGGCTGAGTCAAGCAGACTGGCAGCATGACCGGTGAGATACCA 241

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Db      182 AGGCGAGGCGGCGGTCAGTCAGCAGCCAGACTGCGGTCAGATGACCGGTCAAGATACCA 241
Qy      242 AGGCTTTCTAAAGTCAACCTTTTCACTGTGCTGAGCTCTGATGAGAGCTCTTTCAGCA 301
Db      242 AGGCTTTCTAAAGTCAACCTTTTCACTGTGCTGAGCTCTGATGAGAGCTCTTTCAGCA 301
Qy      302 GAAGCCGAGCGGCAAAAATCTCAGAAAATGAAGAGGAAAGCATGAGACCTTAGAGAT 361
Db      302 GAAGCCGAGCGGCAAAAATCTCAGAAAATGAAGAGGAAAGCATGAGACCTTAGAGAT 361
Qy      362 AATGAAGAGAGGAGCAGAGATATCTACAGAAAAGAGATTAAGATAACTGAGCTTGTG 421
Db      362 AATGAAGAGAGGAGCAGAGATATCTACAGAAAAGAGATTAAGATAACTGAGCTTGTG 421
Qy      422 GTGGTGAAGAAACATGAATAATTTGTTGCTCTCACTGTTCTAGTGAAGATTTACATGCCG 481
Db      422 GTGGTGAAGAAACATGAATAATTTGTTGCTCTCACTGTTCTAGTGAAGATTTACATGCCG 481
Qy      482 CAGATTGCTCTTAATAACATGGGTCAGGCTGAAAACTGATCTTTATTTTTCAGA 541
Db      482 CAGATTGCTCTTAATAACATGGGTCAGGCTGAAAACTGATCTTTATTTTTCAGA 541
Qy      542 AAACCATGTCCTGCTTTGTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTA 601
Db      542 AAACCATGTCCTGCTTTGTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTA 601
Qy      602 TGGCTGCTGATCAGAAATTAAGTTGCTTACGAGAGCTTCTAGTTCTGAAGATGCAAG 661
Db      602 TGGCTGCTGATCAGAAATTAAGTTGCTTACGAGAGCTTCTAGTTCTGAAGATGCAAG 661
Qy      662 TTGATATGCCAAGCAGTGAAGATTAAGTCAAAACATGCGGCGCCATGTGTGTCTTA 721
Db      662 TTGATATGCCAAGCAGTGAAGATTAAGTCAAAACATGCGGCGCCATGTGTGTCTTA 721
Qy      722 CTTCACCTTTGCTGCTTATATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 781
Db      722 CTTCACCTTTGCTGCTTATATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 781
Qy      782 TTTATTCAAAAATTAACAAAAATGCGCGATGCTTACATGCTTATTTATGATGT 841
Db      782 TTTATTCAAAAATTAACAAAAATGCGCGATGCTTACATGCTTATTTATGATGT 841
Qy      842 AAACAGAAAGATTAAGAAATGAATGTTATTTTGTCTTCAATGAAGAAATGAT 901
Db      842 AAACAGAAAGATTAAGAAATGAATGTTATTTTGTCTTCAATGAAGAAATGAT 901
Qy      902 AAACAAATATCTAGTGAATTAAGTTGGAACCTGTGTGAATAATCCATCTTTAGCAAT 961
Db      902 AAACAAATATCTAGTGAATTAAGTTGGAACCTGTGTGAATAATCCATCTTTAGCAAT 961
Qy      962 CTAAAGCAAAACATGAAGAATCTTATCTTATTTGCGCAGTAGCTTCAGTGTGCCG 1021
Db      962 CTAAAGCAAAACATGAAGAATCTTATCTTATTTGCGCAGTAGCTTCAGTGTGCCG 1021
Qy      1022 AACTTTAAACATCTTGGATTTTACCGTAGCAATTCAGAAAGATTAAGAAATTCACAT 1081
Db      1022 AACTTTAAACATCTTGGATTTTACCGTAGCAATTCAGAAAGATTAAGAAATTCACAT 1081
Qy      1082 CAAAGTTTGCACAGGAAATTTGCAAGGCACTGCAATGCTTGAAGCCAGGTTATTTGCAAT 1141
Db      1082 CAAAGTTTGCACAGGAAATTTGCAAGGCACTGCAATGCTTGAAGCCAGGTTATTTGCAAT 1141
Qy      1142 CGAAGTGTGATTAACATAGATCGTAAATTTGGGGCTGATTTGTTGGTTATTTGCTC 1201
Db      1142 CGAAGTGTGATTAACATAGATCGTAAATTTGGGGCTGATTTGTTGGTTATTTGCTC 1201
Qy      1202 TGAAGTGTGCTCTCATTTATGATAGTTCATTTACTCATAGTACTTAAGTTTGTGCTG 1261
Db      1202 TGAAGTGTGCTCTCATTTATGATAGTTCATTTACTCATAGTACTTAAGTTTGTGCTG 1261
Qy      1262 TTCAATCAATATGAGAAAGTATGAGACCTTGAAGAGCAACTCTTTCTCCAGAGAT 1321
Db      1262 TTCAATCAATATGAGAAAGTATGAGACCTTGAAGAGCAACTCTTTCTCCAGAGAT 1321

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Qy      1322 TTTGGATTCCTTTAGTACCTTATATTCAGTACCAATTTCTACATCAGGCGCTCATTAAT 1381
Db      1322 TTTGGATTCCTTTAGTACCTTATATTCAGTACCAATTTCTACATCAGGCGCTCATTAAT 1381
Qy      1382 CTAGGCTTTCTTTCTGCTTTCTTTGCTTTTATGATTTCACTGTCCTTGAAGCCCTCACTA 1441
Db      1382 CTAGGCTTTCTTTCTGCTTTCTTTGCTTTTATGATTTCACTGTCCTTGAAGCCCTCACTA 1441
Qy      1442 AAGTGAAGCAAGAAAGAGAAAGAGAGCCAGTGCATGCTTCAATTTGCAA 1501
Db      1442 AAGTGAAGCAAGAAAGAGAAAGAGAGCCAGTGCATGCTTCAATTTGCAA 1501
Qy      1502 CACTTTGAAGGCTGADACAGAGATCGCTTGAAGTCTCAGAGTTAAAGCCAGCTGGG 1561
Db      1502 CACTTTGAAGGCTGADACAGAGATCGCTTGAAGTCTCAGAGTTAAAGCCAGCTGGG 1561
Qy      1562 CAACATAGCAAGACCTTCGACTCTA 1585
Db      1562 CAACATAGCAAGACCTTCGACTCTA 1585

RESULT 2
US-09-802-371-3
/ Sequence 3, Application US/09802371
/ Patent No. 6723533
/ GENERAL INFORMATION:
/ APPLICANT: Meyers, Rachel
/ APPLICANT: Rudolph-Owen, Laura
/ TITLE OF INVENTION: 26934, A No. 6723533el Cytidine Deaminase-Like
/ FILE REFERENCE: 35800/213921
/ CURRENT APPLICATION NUMBER: US/09/802,371
/ PRIOR FILING DATE: 2001-03-09
/ PRIOR FILING DATE: 2000-03-10
/ NUMBER OF SEQ ID NOS: 4
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 3
/ LENGTH: 1017
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-09-802-371-3

Query Match      64.3%; Score 1017; DB 3; Length 1017;
Best Local Similarity 100.0%; Pred. No. 2,1e-271;
Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      149 ATGAAGAAGCTGGCGAGATGCAAAATCTGAGAGGCGAGGCGGCGGTCAGTCAGC 208
Db      1 ATGAAGAAGCTGGCGAGATGCAAAATCTGAGAGGCGAGGCGGCGGTCAGTCAGC 60
Qy      209 ACCGAGACTGGAGCATGACCGGTCAGATACCAAGGCTTTCTAAAGTCAACTTTTCACT 268
Db      61 ACCGAGACTGGAGCATGACCGGTCAGATACCAAGGCTTTCTAAAGTCAACTTTTCACT 120
Qy      269 CTGCTCAGCTTGTGATGAGCTTTTCCAGAGAAAGCCAGCGGCAAAATTTCCAGAA 328
Db      121 CTGCTCAGCTTGTGATGAGCTTTTCCAGAGAAAGCCAGCGGCAAAATTTCCAGAA 180
Qy      329 AATGAAGAGGAAAGATGAGATCCCTTAAGAGATTAATGAAGAGGAGCAGAGTATCTACT 388
Db      181 AATGAAGAGGAAAGATGAGATCCCTTAAGAGATTAATGAAGAGGAGCAGAGTATCTACT 240
Qy      389 GACAAAAGACAGTAAAGAAAGTGTCTTGTGTGTGTGTAAGAAACATGAATAATTTGTTG 448
Db      241 GACAAAAGACAGTAAAGAAAGTGTCTTGTGTGTGTGTAAGAAACATGAATAATTTGTTG 300
Qy      449 CTCACCTGTTCTAGTGAAGATTTACATGCGGCGCAGATTGCTTTATTTAACTGGGTCA 508
Db      301 CTCACCTGTTCTAGTGAAGATTTACATGCGGCGCAGATTGCTTTATTTAACTGGGTCA 360
Qy      509 AGGCTGAAGAAACATGATCTTTATTTTCCAGAAAACATGTTCTGCTTTGAAATATG 568

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Db 361 AGCGTAAAAAGTGAATCTTTATTTTCCAGAAAAACATGTTCTGCTGTTGAAAAATG 420  
Qy 569 ATGTAAATGCTGAGATTAAACCAATTTTCTACTGCTGCTGATCCAGAAATAGTTTG 628  
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Qy 629 CTTCAGAGGCTTCTAGTTCTGAAGATGCAAAAGTTGATGCTCAAGAGTGGAAAAATTTG 688  
Db 481 CTTCAGAGGCTTCTAGTTCTGAAGATGCAAAAGTTGATGCTCAAGAGTGGAAAAATTTG 540  
Qy 689 AAGTCAAAAGTGGGCGCCATGCTGCTTCAACTTGGTGTATATGTTG 748  
Db 541 AAGTCAAAAGTGGGCGCCATGCTGCTTCAACTTGGTGTATATGTTG 600  
Qy 749 CAGTTGTAGAGAGACCTCTTCAAAATGATGATCTTATTCAAAAATTCAAAAACATTG 808  
Db 601 CAGTTGTAGAGAGACCTCTTCAAAATGATGATCTTATTCAAAAATTCAAAAACATTG 660  
Qy 809 CCGAGATCTPAACCTGATCTTTATTTATGAAATGTAACAAAGAAATTAAGATTTGAA 868  
Db 661 CCGAGATCTPAACCTGATCTTTATTTATGAAATGTAACAAAGAAATTAAGATTTGAA 720  
Qy 869 AAGTTATTTTGGTTCAATGAGAAATGCAATAGCAAAATCTGATGATAGGTTTG 928  
Db 721 AAGTTATTTTGGTTCAATGAGAAATGCAATAGCAAAATCTGATGATAGGTTTG 780  
Qy 929 GAGAACTGTGTAATAATCATCTTATAGCAATCTAAGCAAAACATGAAGACCTTATC 988  
Db 781 GAGAACTGTGTAATAATCATCTTATAGCAATCTAAGCAAAACATGAAGACCTTATC 840  
Qy 989 CTACTTTTGGCCACAGTACCTTCCAGTGTGCGAACTTTAACACTTGGATTTTACCGT 1048  
Db 841 CTACTTTTGGCCACAGTACCTTCCAGTGTGCGAACTTTAACACTTGGATTTTACCGT 900  
Qy 1049 AACAAATCCAGAACAGATTATGAAATTCACAAATCAAAAGTTGCGACAGAAATTCAGAG 1108  
Db 901 AACAAATCCAGAACAGATTATGAAATTCACAAATCAAAAGTTGCGACAGAAATTCAGAG 960  
Qy 1109 CACTGATGATTCAGGCCAGTATTGAGCATATCGAATGCTGATGATTAAGATCG 1165  
Db 961 CACTGATGATTCAGGCCAGTATTGAGCATATCGAATGCTGATGATTAAGATCG 1017

RESULT 3  
US-09-513-999C-4059  
Sequence 4059, Application US/09513999C  
Patent No. 6783961  
GENERAL INFORMATION:  
APPLICANT: Dumas Milne Edwards, J.B.  
APPLICANT: Duclelet, A.  
APPLICANT: Giordano, J.Y.  
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.  
Patent No. 6783961  
FILE REFERENCE: 59 US2 REG  
CURRENT APPLICATION NUMBER: US/09/513, 999C  
PRIOR FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/122,487  
NUMBER OF SEQ ID NOS: 36681  
SOFTWARE: Patent.pm  
SEQ ID NO 4059  
LENGTH: 489  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 98..460  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 458  
OTHER INFORMATION: r=a or g  
FEATURE:

NAME/KEY: UNSURE  
LOCATION: 121  
OTHER INFORMATION: Xaa=Gly or Ser  
US-09-513-999C-4059  
Query Match 30.0%; Score 474.4; DB 3; Length 489;  
Best Local Similarity 99.2%; Pred. No. 2.4e-121;  
Matches 486; Conservative 1; Mismatches 2; Indels 1; Gaps 1;  
Qy 52 ACAGTTGCTGAGAGGAGTGAAGGCGGGGCGCTAGAGGCCAGATCATGTCTGACTGG 111  
Db 1 ACAGTTGCTGAGAGGAGGCGGAGGCGGGGCGCTAGAGGCCAGATCATGTCTGACTGG 60  
Qy 112 AGAGTTTCTTGGAGAGAGGAGGAGGCTTGGAGTGAAGAGAGCTGGGAGATGCA 171  
Db 61 AGAGTTTCTTGGAGAGAGGAGGAGGCTTGGAGTGAAGAGAGCTGGGAGATGCA 120  
Qy 172 AAATCTGAGAGAGCGGAGGCGGCGGCTAGTCAAGCAAGCCAGACTGCGAGATGACCG 231  
Db 121 AAATCTGAGAGAGCGGAGGCGGCGGCTAGTCAAGCAAGCCAGACTGCGAGATGACCG 180  
Qy 232 TCAGATACCAAGCTTTCTAAATGCACTTTTCACTGCTGCTGAGCTTGTGATGAGCT 291  
Db 181 TCAGATACCAAGCTTTCTAAATGCACTTTTCACTGCTGCTGAGCTTGTGATGAGCT 240  
Qy 292 CTTTCAGCAGAGAGCCGCGGCAAAATCTCAGAAAAATGAAGAGGGAAGCATGAGCC 351  
Db 241 CTTTCAGCAGAGAGCCGCGGCAAAATCTCAGAAAAATGAAGAGGGAAGCATGAGCC 300  
Qy 352 CTTAGAGATTAAGAGAGAGAGAGAGATCTACTGCAAAAGACAGATTAAGAGAAC 411  
Db 301 CTTAGAGATTAAGAGAGAGAGAGAGATCTACTGCAAAAGACAGATTAAGAGAAC 360  
Qy 412 TGGCTTGTGTGTGTAAGAAACATGAATTTGTGTCTCCACTGTTCTAGTGAATTT 471  
Db 361 TGGCTTGTGTGTGTAAGAAACATGAATTTGTGTCTCCACTGTTCTAGTGAATTT 420  
Qy 472 ACATCCCGGCGAGATTGCTTATTAACATGAGGCTGAGAAACATGATCTTTA 531  
Db 421 ACATCCCGGCGAGATTGCTTATTAACATGAGGCTGAGAAACATGATCTTTA 479  
Qy 532 TTTTTCAGAG 541  
Db 480 TTTTTCAGAG 489

RESULT 4  
US-09-621-976-132  
Sequence 132, Application US/09621976  
Patent No. 6639063  
GENERAL INFORMATION:  
APPLICANT: Dumas Milne Edwards, J.B.  
APPLICANT: Jobert, S.  
APPLICANT: Giordano, J.Y.  
TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
FILE REFERENCE: GENSET 054PR2  
CURRENT APPLICATION NUMBER: US/09/621,976  
PRIOR FILING DATE: 2000-07-21  
NUMBER OF SEQ ID NOS: 19335  
SOFTWARE: Patent.pm  
SEQ ID NO 132  
LENGTH: 477  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 124..477  
NAME/KEY: sig\_peptide  
LOCATION: 124..273  
OTHER INFORMATION: Von Heijne matrix  
OTHER INFORMATION: score 6  
OTHER INFORMATION: seq LEFTLISIMWELFP/AE  
NAME/KEY: misc\_feature





OTHER INFORMATION: n equals a,t,g, or c  
US-09-227-357-25

Query Match 18.6%; Score 294; DB 3; Length 1555;  
Best Local Similarity 95.2%; Pred. No. 3,6e-71;  
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 560 TTGAAATGATTTGTAATGCTGAGTGAACCGAATTTCAATGCGCTGATCCAGAA 619  
DB 1209 TTTTAAATGATGGAAGAGCTGGAGTGAACCGAATTTCAATGCGCTGATCCAGAA 1268  
QY 620 ATAAGTTGTTAGGAGGCTTCTAGTTCGAAGATGCAAGTGAAGTGCAGAGCTG 679  
DB 1269 ATAAGTTGTTAGGAGGCTTCTAGTTCGAAGATGCAAGTGAAGTGCAGAGCTG 1328  
QY 680 GAAAGATTGAATCAACAGTCCGAGCCAGTGTGTCTTACTTCAACCTTGGTGTGT 739  
DB 1329 GAAAGATTGAATCAACAGTCCGAGCCAGTGTGTCTTACTTCAACCTTGGTGTGT 1388  
QY 740 TATATGTCAGTGTGAGAGAGACCTTTACAAATGTAATTTTCAAAAAATTACA 799  
DB 1389 NANANGGAGCTTTGAGAGAGACCTTTACAAATGTAATTTTCAAAAAATTACA 1448  
QY 800 AAAACATTCGGGATGCTACACTGATTTTATTAATGAATGAAGAAAGATPAAA 859  
DB 1449 AAAACATTCGGGATGCTACACTGATTTTATTAATGAATGAAGAAAGATPAAA 1508  
QY 860 GAATATGAATGTGA 874  
DB 1509 GAATATGAATGTGA 1523

## RESULT 6

US-09-973-278-37 Application US/0973278  
Sequence 37, Patent No. 6923354  
GENERAL INFORMATION:  
APPLICANT: Fischer et al.  
TITLE OF INVENTION: 123 Human Secreted Proteins  
FILE REFERENCE: P2010P2  
CURRENT APPLICATION NUMBER: US/09/973,278  
CURRENT FILING DATE: 2001-10-10  
PRIOR APPLICATION NUMBER: 60/239,899  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: 09/227,357  
PRIOR FILING DATE: 1999-01-08  
PRIOR APPLICATION NUMBER: PCT/US98/13684  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/051,926  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/052,793  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/051,925  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/051,929  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/052,803  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/052,732  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/051,931  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/051,932  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/051,916  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/051,930  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/051,918  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/051,920  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/052,733

PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/052,795  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/051,919  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/051,928  
PRIOR FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: 60/055,722  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/055,723  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/055,948  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/055,949  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/055,953  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/055,950  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/055,947  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/055,964  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/055,360  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/055,684  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/055,984  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/055,954  
PRIOR FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: 60/058,785  
PRIOR FILING DATE: 1997-09-12  
PRIOR APPLICATION NUMBER: 60/058,664  
PRIOR FILING DATE: 1997-09-12  
PRIOR APPLICATION NUMBER: 60/058,660  
PRIOR FILING DATE: 1997-09-12  
PRIOR APPLICATION NUMBER: 60/058,661  
PRIOR FILING DATE: 1997-09-12  
NUMBER OF SEQ ID NOS: 947  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 37  
LENGTH: 1555  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1245)..(1248)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: misc feature  
LOCATION: (1389)..(1389)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: misc feature  
LOCATION: (1391)..(1391)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: misc feature  
LOCATION: (1393)..(1393)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: misc feature  
LOCATION: (1396)..(1396)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: misc feature  
LOCATION: (1551)..(1551)  
OTHER INFORMATION: n equals a,t,g, or c  
US-09-973-278-37

Query Match 18.6%; Score 294; DB 3; Length 1555;  
Best Local Similarity 95.2%; Pred. No. 3,6e-71;  
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 560 TTGAAATGATTTGTAATGCTGAGTGAACCGAATTTCAATGCGCTGATCCAGAA 619  
DB 1209 TTTTAAATGATGGAAGAGCTGGAGTGAACCGAATTTCAATGCGCTGATCCAGAA 1268

QY 620 ATAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAAAGTTAGTCCAAAGACGTG 679  
| | | | |  
Db 1269 ATAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAAAGTTAGTCCAAAGACGTG 1328  
| | | | |  
QY 680 GAAAGATTGAAGTCAACACTCGGCGCCATGTGTCTTACTTCAACCTTTGGTGTG 739  
| | | | |  
Db 1329 GAAAGATTGAAGTCAACACTCGGCGCCATGTGTCTTACTTCAACCTTTGGTGTG 1388  
| | | | |  
QY 740 TATATGTCAGTTTGTAGAGAGACCTTTACAAATGTACTTTATTCAAAATTTACA 799  
| | | | |  
Db 1389 NANAANGCAGTTTGTAGAGAGACCTTTACAAATGTACTTTATTCAAAATTTACA 1448  
| | | | |  
QY 800 AAAACATTCGCGATGCTAACTGACTTTTATTAATGATTAACAGAAATPAAA 859  
| | | | |  
Db 1449 AAAACATTCGCGATGCTAACTGACTTTTATTAATGATTAACAGAAATPAAA 1508  
| | | | |  
QY 860 GAATATGAATGTGA 874  
| | | | |  
Db 1509 GAATATGAATGTGA 1523  
| | | | |

## RESULT 7

US-09-949-016-42616/C  
Sequence 42616, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 42616  
LENGTH: 601  
TYPE: DNA  
ORGANISM: Human  
US-09-949-016-42616

Query Match 6.0%; Score 94.8; DB 3; Length 601;

Best Local Similarity 76.7%; Pred. No. 3.2e-16;

Matches 115; Conservative 1; Mismatches 34; Indels 0; Gaps 0;

QY 1435 TCACCTAAAGTGAAGCAAGAAAGAGAGAGCCCACTGACGTTCATGCTGTGA 1494  
| | | | |  
Db 540 TTCTCCAAATGCTAGCTATGTTAAGAAATTAAAGCCAGGTACAGTGCCTGTGA 481  
| | | | |  
QY 1495 ATTGCAACCTTTAGAGGCTGADACAGAGATCGTTAGTCAAGAGTTCAAGACCA 1554  
| | | | |  
Db 480 ATCCCGCATTTTAAAGGCTGAGGAGGATCACTTGAGCTCAGAGATTGAGACCA 421  
| | | | |  
QY 1555 GCGTGGGCAACATAGCAAGACCTGACTCT 1584  
| | | | |  
Db 420 GTCTGGGCAACATAGCAAGACCTGCTTT 391  
| | | | |

## RESULT 8

US-09-949-016-42648/C  
Sequence 42648, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307

QY 1435 TCACCTAAAGTGAAGCAAGAAAGAGAGAGCCCACTGACGTTCATGCTGTGA 1494  
| | | | |  
Db 540 TTCTCCAAATGCTAGCTATGTTAAGAAATTAAAGCCAGGTACAGTGCCTGTGA 481  
| | | | |  
QY 1495 ATTGCAACCTTTAGAGGCTGADACAGAGATCGTTAGTCAAGAGTTCAAGACCA 1554  
| | | | |  
Db 480 ATCCCGCATTTTAAAGGCTGAGGAGGATCACTTGAGCTCAGAGATTGAGACCA 421  
| | | | |  
QY 1555 GCGTGGGCAACATAGCAAGACCTGACTCT 1584  
| | | | |  
Db 420 GTCTGGGCAACATAGCAAGACCTGCTTT 391  
| | | | |

Query Match 6.0%; Score 94.8; DB 3; Length 601;

Best Local Similarity 76.7%; Pred. No. 3.2e-16;

Matches 115; Conservative 1; Mismatches 34; Indels 0; Gaps 0;

QY 1435 TCACCTAAAGTGAAGCAAGAAAGAGAGAGCCCACTGACGTTCATGCTGTGA 1494  
| | | | |  
Db 540 TTCTCCAAATGCTAGCTATGTTAAGAAATTAAAGCCAGGTACAGTGCCTGTGA 481  
| | | | |  
QY 1495 ATTGCAACCTTTAGAGGCTGADACAGAGATCGTTAGTCAAGAGTTCAAGACCA 1554  
| | | | |  
Db 480 ATCCCGCATTTTAAAGGCTGAGGAGGATCACTTGAGCTCAGAGATTGAGACCA 421  
| | | | |  
QY 1555 GCGTGGGCAACATAGCAAGACCTGACTCT 1584  
| | | | |  
Db 420 GTCTGGGCAACATAGCAAGACCTGCTTT 391  
| | | | |

## RESULT 9

US-09-949-016-42680/C  
Sequence 42680, Application US/09949016  
Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.  
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
FILE REFERENCE: CL001307  
CURRENT APPLICATION NUMBER: US/09/949,016  
CURRENT FILING DATE: 2000-04-14  
PRIOR APPLICATION NUMBER: 60/241,755  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/237,768  
PRIOR FILING DATE: 2000-10-03  
PRIOR APPLICATION NUMBER: 60/231,498  
PRIOR FILING DATE: 2000-09-08  
NUMBER OF SEQ ID NOS: 207012  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 42680  
LENGTH: 601  
TYPE: DNA  
ORGANISM: Human  
US-09-949-016-42680

Query Match 6.0%; Score 94.8; DB 3; Length 601;

Best Local Similarity 76.7%; Pred. No. 3.2e-16;

Matches 115; Conservative 1; Mismatches 34; Indels 0; Gaps 0;

QY 1435 TCACCTAAAGTGAAGCAAGAAAGAGAGAGCCCACTGACGTTCATGCTGTGA 1494  
| | | | |  
Db 540 TTCTCCAAATGCTAGCTATGTTAAGAAATTAAAGCCAGGTACAGTGCCTGTGA 481  
| | | | |  
QY 1495 ATTGCAACCTTTAGAGGCTGADACAGAGATCGTTAGTCAAGAGTTCAAGACCA 1554  
| | | | |  
Db 480 ATCCCGCATTTTAAAGGCTGAGGAGGATCACTTGAGCTCAGAGATTGAGACCA 421  
| | | | |  
QY 1555 GCGTGGGCAACATAGCAAGACCTGACTCT 1584  
| | | | |  
Db 420 GTCTGGGCAACATAGCAAGACCTGCTTT 391  
| | | | |

Query Match	6.0%	Score 94.8;	DB 3;	Length 601;
Best Local Similarity	76.7%	Pred. No. 3.2e-16;		
Matches 115;	Conservative	1;	Mismatches 34;	Indels 0;
				Gaps 0;

RESULT 13  
 US-09-949-016-93570/c  
 Sequence 93570, Application US/09949016  
 Patent No. 6812339  
 GENERAL INFORMATION:  
 APPLICANT: VENTER, J. Craig et al.  
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
 WITH HUMAN DISEASES, METHODS OF DETECTION AND USES THEREOF  
 FILE REFERENCE: CLO01107  
 CURRENT APPLICATION NUMBER: US/09/949,016  
 CURRENT FILING DATE: 2000-04-14  
 PRIOR APPLICATION NUMBER: 60/241,755  
 PRIOR FILING DATE: 2000-10-20  
 PRIOR APPLICATION NUMBER: 60/237,768  
 PRIOR FILING DATE: 2000-10-03  
 PRIOR APPLICATION NUMBER: 60/231,498  
 PRIOR FILING DATE: 2000-09-08  
 NUMBER OF SEQ ID NOS: 207012

Patent No. 6812339  
GENERAL INFORMATION:  
APPLICANT: VENTER, J. Craig et al.

Search completed: September 18, 2006, 02:47:43  
Job time : 528.303 secs

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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: September 20, 2006, 04:03:17 ; Search time 1427 Seconds  
(without alignments)  
4378.600 Million cell updates/sec

Title: US-10-785-135-2

Perfect score: 1755  
Sequence: 1 MEGACOMONLESARAGRSVS.....RHCMVQARLLAYRTGELHRS 339

Scoring table: BLOSUM62

Xgapop 10.0 , Xgapext 0.5  
Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 18892170 seqs, 6143817638 residues

Total number of hits satisfying chosen parameters: 37784340

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Maximum Match 0%

Listing first 45 summaries

Command line parameters:

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-O=/abses/ABSesMB.spool/US10785135/runat.15092006.155349.22641/app\_query.fasta\_1  
-DB=Published\_Applications\_NA\_Main -OFMT=fasta -GUPRTX=p2n.rnpbm  
-MINMATCH=0.1 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1  
-MATRIX=blonum62 -TRANS=human40.cdi -LIST=45 -DOCALLIGN=200 -THR\_SCORE=pct  
-THR\_MAX=100 -THR\_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=pct -NOR=ext  
-HEAPSIZE=500 -MINLEN=0 -MAXLEN=200000000 -HOST=abses04  
-USER=US10785135 @CGN 1.1.1675 @runat.15092006.155349.22641 -NCPU=6 -ICPU=3  
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-WARN\_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7  
-GAPOP=10 -XGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA\_Main:

1: /EMC\_Celerra\_SIDS3/ptodata/2/pubna/US07\_PUBCOMB.seq:\*  
2: /EMC\_Celerra\_SIDS3/ptodata/2/pubna/US08\_PUBCOMB.seq:\*  
3: /EMC\_Celerra\_SIDS3/ptodata/2/pubna/US09\_PUBCOMB.seq:\*  
4: /EMC\_Celerra\_SIDS3/ptodata/2/pubna/US09C\_PUBCOMB.seq:\*  
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13: /EMC\_Celerra\_SIDS3/ptodata/2/pubna/US11A\_PUBCOMB.seq:\*  
14: /EMC\_Celerra\_SIDS3/ptodata/2/pubna/US11C\_PUBCOMB.seq:\*  
15: /EMC\_Celerra\_SIDS3/ptodata/2/pubna/US11D\_PUBCOMB.seq:\*  
16: /EMC\_Celerra\_SIDS3/ptodata/2/pubna/US11E\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1755	100.0	1017	3	US-09-802-371-3 Sequence 3, Appl1

2	1755	100.0	1017	8	US-10-785-135-3 Sequence 3, Appl1
3	1755	100.0	1585	3	US-09-802-371-1 Sequence 1, Appl1
4	1755	100.0	1585	8	US-10-785-135-1 Sequence 1, Appl1
5	1120.5	63.8	2029	3	US-09-822-846-332 Sequence 332, Appl1
6	1030.5	58.7	410846	10	US-10-481-613-1 Sequence 1, Appl1
7	767	43.7	1555	3	US-09-983-802-25 Sequence 25, Appl1
8	767	43.7	1555	3	US-09-984-490-25 Sequence 25, Appl1
9	767	43.7	1555	10	US-09-973-278-37 Sequence 37, Appl1
10	767	43.7	1555	10	US-10-472-533-83 Sequence 83, Appl1
11	716	40.8	489	16	US-11-021-492-515 Sequence 51, App
12	654	37.3	529	11	US-10-475-075-601 Sequence 601, App
13	433.5	24.7	562	3	US-09-969-034-951 Sequence 951, App
14	375	21.4	218	8	US-10-085-783A-37272 Sequence 37272, A
15	375	21.4	218	8	US-10-085-783A-37272 Sequence 37272, A
16	351.5	20.0	995	6	US-10-106-698-1661 Sequence 1661, App
17	309	17.6	386	9	US-10-357-930-21664 Sequence 21664, App
18	309	17.6	386	9	US-10-357-930-22703 Sequence 22703, A
19	309	17.6	386	9	US-10-357-930-27508 Sequence 27508, A
20	309	17.6	386	9	US-10-357-930-28548 Sequence 28548, A
21	309	17.6	390	9	US-10-357-930-11768 Sequence 11768, A
22	309	17.6	393	9	US-10-357-930-13342 Sequence 13342, A
23	309	17.6	399	9	US-10-357-930-33487 Sequence 33487, A
24	309	17.6	432	9	US-10-357-930-32940 Sequence 32940, A
25	309	17.6	432	9	US-10-357-930-41866 Sequence 41866, A
26	309	17.6	432	9	US-10-357-930-43346 Sequence 43346, A
27	300	17.1	367	9	US-10-357-930-4173 Sequence 4173, App
28	285	16.2	434	9	US-10-357-930-2599 Sequence 2599, App
29	152.5	8.7	997	12	US-10-301-480-547122 Sequence 547122, App
30	152.5	8.7	997	12	US-10-301-480-1160531 Sequence 1160531, App
31	144	8.2	600	10	US-10-972-079-10228 Sequence 10228, A
32	144	8.2	600	10	US-10-972-079-10229 Sequence 10229, A
33	144	8.2	600	10	US-10-972-079-10230 Sequence 10230, A
34	123.5	7.0	522	10	US-10-501-282-6371 Sequence 6371, App
35	123.5	7.0	522	10	US-10-501-282-6373 Sequence 6373, App
36	123.5	7.0	522	10	US-10-501-282-6651 Sequence 6651, App
37	120	6.8	1041	8	US-10-282-122A-35384 Sequence 35384, App
38	119.5	6.8	5567	7	US-10-361-552-1 Sequence 1, Appl1
39	117.5	6.7	1260	10	US-10-501-282-5971 Sequence 5971, App
40	117.5	6.7	1260	10	US-10-501-282-5973 Sequence 5973, App
41	117.5	6.7	15896	10	US-10-915-740A-64 Sequence 64, Appl
42	117.5	6.7	2242716	10	US-10-915-740A-1068 Sequence 1068, App
43	113.5	6.5	717	10	US-10-467-657-5621 Sequence 5621, App
44	112.5	6.4	1032	10	US-10-793-626-1625 Sequence 1625, App
45	112.5	6.4	1032	10	US-10-793-626-1963 Sequence 1963, App

## ALIGNMENTS

RESULT 1  
US-09-802-371-3  
Sequence 3, Application US/09802371  
Patent No. US20010036649A1  
GENERAL INFORMATION:  
APPLICANT: Rudolph-Owen, Laura  
TITLE OF INVENTION: 26394, A No. US20010036649A1 Cytidine Deaminase-Like  
FILE REFERENCE: 35800/213921  
CURRENT APPLICATION NUMBER: US/09/802,371  
PRIOR FILING DATE: 2001-03-09  
PRIOR APPLICATION NUMBER: 60/188,294  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 1017  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-802-371-3  
Alignment Scores: 1.1e-212 Length: 1017  
Pred. No.: 1755.00 Matches: 339  
Score:

Percent Similarity: 100.0% Conservative: 0  
 Best Local Similarity: 100.0% Mismatches: 0  
 Query Match: 100.0% Indels: 0  
 DB: 3 Gaps: 0

US-10-785-135-2 (1-339) x US-09-802-371-3 (1-1017)

QY 1 MetLysGluValAGLIGlnMetGlnAsnLeuGluSerLysAlaArgAlaGlyArgSerValSer 20  
 DB 1 ATGAAAGAGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGCGCTGACGACG 60  
 QY 21 ThrGlnThrGlySerMetThrGlyGlnIleProArgLeuSerLysValAlaLeuPheThr 40  
 DB 61 ACCCAAGCTGGCAGCATGACCGGTGAGATCCAAAGGCTTCTAAAGTCAACCTTTTCACT 120  
 QY 41 LeuLeuSerLeuTrpMetGluLeuPheProAlaGluValArgGlnLysSerGlnLys 60  
 DB 121 CTGCTCAGCTCTGGATGAGCTCTTCCAGCAGAACCCAGCGCGCAAAATCTCAGAA 180  
 QY 61 AsnGluGluGlyLysHisGlyProLeuGlyAspAsnGluValArgThrArgValSerThr 80  
 DB 181 AATGAAGAGGGAAGACATGACCTTATGAGATATGAGAGAGAGACCAAGATATCTACT 240  
 QY 81 AspLysArgGlnValLysArgThrGlyLeuValValLysAsnMetLysIleValGly 100  
 DB 241 GACAAAAGACAGGTAAAGAGACCTGCTGTGTGTGTAACATGAAATGTTGCT 300  
 QY 101 LeuHisCysSerSerGlnAspLeuHisAlaGlyGlnIleAlaLeuIleLysHisGlySer 120  
 DB 301 CTCACCTGTTCTAGTAAAGATTTACATGCGGCGAGATTCCTTTATTAACATGGGTCA 360  
 QY 121 ArgLeuLysAsnCysAspLeuTrpPheSerArgLysProCysSerAlaCysLeuLysMet 140  
 DB 361 AGCTGAAAAACGTGATCTTTATTTTCCAGAAAACCATGTTCTGCTGTTGAAAAATG 420  
 QY 141 IleValAsnAlaGlyValAlaAsnArgIleSerTrpProAlaAspProGlnIleSerLeu 160  
 DB 421 ATTGTAAGAGCTGAGATTAACCAATTTCTACTGCTGCTGCTGCTGCTGCTGCTGCTG 480  
 QY 161 LeuThrGluValAspSerSerGlnAspAlaLysLeuAspAlaLysAlaValGluArgLeu 180  
 DB 481 CTTCACGAGGCTCTAGTTCTGAAGATGCAAGATTTAGATCCAAAGAGAGGAAAGTTG 540  
 QY 181 LysSerAsnSerArgAlaHisValCysValLeuLeuGlnProLeuValCysTrpMetVal 200  
 DB 541 AAGTCAAAACAGTGGGCGCCATGTGTGTCTTCAACCTTGGTGTGTTTAAGGTG 600  
 QY 201 GlnPheValGluGlnTrpSerTrpLysCysAspPheIleGlnLysIleThrLysThrLeu 220  
 DB 601 CAGTTGTAGAGAGACCTCTTACAAATGTGACTTATTTCAAAATTAACAAATTAACATTTG 660  
 QY 221 ProAspAlaAsnThrAspPheTrpTrpGluCysLysGlnGluArgIleLysGluTrpGlu 240  
 DB 661 CCGGAGCTTACCTGACTTTATTTATGATGATTAACAAAGAAATTAAGATTAAGATTA 720  
 QY 241 MetLeuPheLeuValSerAsnGluGluMetHisLysGlnIleLeuMetThrIleGlyLeu 260  
 DB 721 ATGTATTTTGTGTTCAAAATGAAGAAATGATCAATAGCAATTAATGATGATGATGATG 780  
 QY 261 GluAsnLeuCysGluAsnProTrpPheSerAsnLeuArgGlnAsnMetLysAspLeuIle 280  
 DB 781 GAGAACCTGTGTAAGAAATCACTTATTAAGCAATCTTAAGCAAAACATGAAGACCTTATC 840  
 QY 281 LeuLeuLeuValThrValAlaSerSerValProAsnPheLysHisPheGlyPheTrpArg 300  
 DB 841 CTACTTTTGGCCACAGTATGCTTCCAGTGTCCGAACTTTTAAACATTCGATTTTACCG 900  
 QY 301 SerAsnProGluGlnIleAsnGluIleHisAsnGlnSerLeuProGlnGluIleAlaArg 320  
 DB 901 AGCAATCCAGAAACAGATTAATGAATTCACAAATCAAGTTTGCACACGAAATTCGAAG 960  
 QY 321 HisCysMetValGlnAlaArgLeuLeuAlaTrpArgThrGlyGluLeuHisArgSer 339

DB 961 CACTGCAGCTTCAAGCCAGGTTATTGGCAATTCGAACTGTGATTAATAGATCG 1017

RESULT 2  
 US-10-785-135-3  
 / Sequence 3: Application US/10785135  
 / Publication No. US20040142375A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Meyers, Rachel  
 / APPLICANT: Rudolph-Owen, Laura  
 / TITLE OF INVENTION: 26934, A Novel Cytidine Deaminase-Like  
 / TITLE OF INVENTION: Molecule and Uses Thereof  
 / FILE REFERENCE: 35800/213921  
 / CURRENT APPLICATION NUMBER: US/10/785,135  
 / CURRENT FILING DATE: 2004-02-24  
 / PRIOR APPLICATION NUMBER: US/09/802,371  
 / PRIOR FILING DATE: 2001-03-09  
 / PRIOR APPLICATION NUMBER: 60/188,294  
 / PRIOR FILING DATE: 2000-03-10  
 / NUMBER OF SEQ ID NOS: 4  
 / SOFTWARE: FastSeq for Windows Version 4.0  
 / SEQ ID NO 3  
 / LENGTH: 1017  
 / TYPE: DNA  
 / ORGANISM: Homo sapiens  
 / US-10-785-135-3

Alignment Scores:  
 Pred. No.: 1,1e-212 Length: 1017  
 Score: 1755.00 Matches: 339  
 Percent Similarity: 100.0% Conservative: 0  
 Best Local Similarity: 100.0% Mismatches: 0  
 Query Match: 100.0% Indels: 0  
 DB: 8 Gaps: 0

US-10-785-135-2 (1-339) x US-10-785-135-3 (1-1017)

QY 1 MetLysGluValAGLIGlnMetGlnAsnLeuGluSerLysAlaArgAlaGlyArgSerValSer 20  
 DB 1 ATGAAAGAGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGCTGACGACG 60  
 QY 21 ThrGlnThrGlySerMetThrGlyGlnIleProArgLeuSerLysValAlaLeuPheThr 40  
 DB 61 ACCCAAGCTGGCAGCATGACCGGTGAGATCCAAAGGCTTCTAAAGTCAACCTTTTCACT 120  
 QY 41 LeuLeuSerLeuTrpMetGluLeuPheProAlaGluValArgGlnIleLysHisGlySer 60  
 DB 121 CTGCTCAGCTCTGGATGAGCTCTTCCAGCAGAAAGCCAGCGCGCAAAATCTCAGAA 180  
 QY 61 AsnGluGluGlyLysHisGlyProLeuGlyAspAsnGluValArgThrArgValSerThr 80  
 DB 181 AATGAAGAGGGAAGACATGACCTTATGAGATATGAGAGAGAGACCAAGATATCTACT 240  
 QY 81 AspLysArgGlnValLysArgThrGlyLeuValValLysAsnMetLysIleValGly 100  
 DB 241 GACAAAAGACAGGTAAAGAGACCTGCTGTGTGTGTAACATGAAATGTTGCT 300  
 QY 101 LeuHisCysSerSerGlnAspLeuHisAlaGlyGlnIleAlaLeuIleLysHisGlySer 120  
 DB 301 CTCACCTGTTCTAGTAAAGATTTACATGCGGCGAGATTCCTTTATTAACATGGGTCA 360  
 QY 121 ArgLeuLysAsnCysAspLeuTrpPheSerArgLysProCysSerAlaCysLeuLysMet 140  
 DB 361 AGCTGAAAAACGTGATCTTTATTTTCCAGAAACCATGTTCTGCTGTTGAAAAATG 420  
 QY 141 IleValAsnAlaGlyValAlaAsnArgIleSerTrpProAlaAspProGlnIleSerLeu 160  
 DB 421 ATTGTAAGAGCTGAGATTAACCAATTTCTACTGCTGCTGCTGCTGCTGCTGCTGCTG 480  
 QY 161 LeuThrGluValAspSerSerGlnAspAlaLysLeuAspAlaLysAlaValGluArgLeu 180  
 DB 481 CTTCACGAGGCTCTAGTTCTGAAGATGCAAGATTTAGATGCAAGCAATTCGAAGATTTG 540  
 QY 181 LysSerAsnSerArgAlaHisValCysValLeuLeuGlnProLeuValCysTrpMetVal 200

```

Db      541 AGCTCAACAGTCGGCCCATGCTGCTTCTTCAACCTTGGTGTATATGATG 600
Qy      201 GlnpValaGluGluThrseryrLysCyAspPheIleGlnLysIleThrLysThrLeu 220
Db      601 CAGTTGTAGAGGAGACCTTTTCAATATGACTTTATTCAAAATAATTCAAAACATTG 660
Qy      221 ProAspAlaAsnThrAspPheTyrrYrGluCyLysGlnGluArgIleLysGluTyrrGlu 240
Db      661 CCGAGTCAACACACTGCTTTATTTATGATGAAACAAGAAAGAAATGAAATATGAA 720
Qy      241 MetLeuPheLeuValSerAsnGluGluMetHisLysGlnIleLeuMetThrIleGlyLeu 260
Db      721 ATGTTATTTTGGTTTCAATATGAAATGCAATACCAATACTGATGACTATAGCTTTG 780
Qy      261 GluAsnLeuCyGlnAsnProTyrrPheSerAsnLeuArgGlnAsnMetLysAspLeuIle 280
Db      781 GAGAACCTGTGTGAAATCCATCTTTAGCAATCTAAGCAAAACATGAAAGACCTTATC 840
Qy      281 LeuLeuLeuAlaThrValAlaSerSerValProAsnPheLysHisPheGlyPheTyrrArg 300
Db      841 CTACTTTTGGCCACAGTACCTTCCAGTGTGCCGAACTTTAAACACTTCGAGTTTACCGT 900
Qy      301 SerAsnProGluGlnIleAsnGluIleHisAsnGlnSerLeuProGlnGluIleAlaArg 320
Db      901 AGCAATCCAGAACAGATTATGAAATTCACAAATCAAGTTTGCACAGAAATTTGCAAGG 960
Qy      321 HisCysMetValGlnAlaArgLeuLeuAlaTyrrArgThrGlyGluLeuHisArgSer 339
Db      961 CACTGATGCTTCAAGCCAGGTTATTGGCATATCGAACCTGTGATGATTATGATGATCG 1017

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## RESULT 3

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US-09-802-371-1
; Sequence 1, Application US/09802371
; Patent No. US20010036649A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Rudolph-Owen, Laura
; TITLE OF INVENTION: 26934, A No. US20010036649A1e1 Cytidine Deaminase-Like
; FILE REFERENCE: 35800/213921
; CURRENT APPLICATION NUMBER: US/09/802,371
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/148,294
; PRIOR FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 1
; LENGTH: 1585
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: CDS
; LOCATION: (149) ... (1165)
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1585)
; OTHER INFORMATION: n = A,T,C or G
US-09-802-371-1

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## Alignment Scores:

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Pred. No.: 2,31e-212 Length: 1585
Score: 1755.00 Matches: 339
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 100.0% Indels: 0
DB: 3 Gaps: 0

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US-10-785-135-2 (1-339) x US-09-802-371-1 (1-1585)

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Qy      1 MetLysGluAlaGlyGlnMetGlnAsnLeuGluSerAlaArgAlaGlyValArgSerValSer 20
Db      149 ATGAAAGAGAGCTGGCAGATGCAAAATCTGAGAGGCGCAGGCGCGGTCAAGTCACG 208

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Qy      21 ThrGlnThrGlySerMetThrGlyGlnIleProArgLeuSerLysValAsnLeuPheThr 40
Db      209 ACCCAGACTGGGAGATGACCGGTCAGATACCAAGGCTTTCTTAAGCTCAACCTTTTCACT 268
Qy      41 LeuLeuSerLeuThrPheMetGluLeuPheProAlaGluAlaGlnArgGlnLysSerGlnLys 60
Db      269 CTGCTCAGGCTCTGGATGGAGCTCTTTCCAGCAGAAAGCCAGCGGCAAAATCTCAGAAA 328
Qy      61 AsnGluGluGlyLysHisGlyProLeuGlyAspAsnGluGluArgThrArgValSerThr 80
Db      329 AATGAAAGAGGAGAAACATGACCTTAGAGATGATTAAGAAGAGGCGCAGATATCTACT 388
Qy      81 AspLysArgGlnValLysArgThrGlyLeuValValLysAsnMetLysIleValGly 100
Db      389 GACAAAGACAGGTAAAGAACTGCTCTGTGTGTGTAABAAACATGAAATTTGTGGT 448
Qy      101 LeuHisCysSerSerGluAspLeuHisAlaGlyGlnIleAlaLeuLysHisGlySer 120
Db      449 CTCCACTGTTCTAGTGAAGATTATCATGCGGCGCAGATTGCTCTATTAACATGGGCTCA 508
Qy      121 ArgLeuLysAsnCyAspLeuTyrrPheSerArgLysProCysSerAlaCysLeuLysMet 140
Db      509 AGGCTGAAAAAAGCTGTGATCTTTATTTTCCAGAAAAACCATGTTCTGCTGTGTGAAAAAG 568
Qy      141 IleValAsnAlaGlyValAsnArgIleSerTyrrTrpProAlaAspProGluIleSerLeu 160
Db      569 ATGTAAATGCTGGAGTTAACGAAATTTCAATCTGCGCTGATCCAGAAATTAATTTTG 628
Qy      161 LeuThrGlnAlaSerSerSerGluAspAlaLysLeuAspAlaLysAlaValGluArgLeu 180
Db      629 CTACGAGGAGCTTCAAGTTGTAATGATGCAAAAGTTAGATGCCAAAGCAGTGAAGATG 688
Qy      181 LysSerAsnSerArgAlaHisValCysValLeuLeuGlnProLeuValCysTyrrMetVal 200
Db      689 AAGTCAAAACAGTCGGGCCCATGTGTGTCTTCACTTCAACCTTGTGTGTATATATGATG 748
Qy      201 GlnpValaGluGluThrseryrLysCyAspPheIleGlnLysIleThrLysThrLeu 220
Db      749 CAGTTGTAGAGGAGACCTTTTCAATATGATGCTTTATTCAAAATAATTCAAAACATTG 808
Qy      221 ProAspAlaAsnThrAspPheTyrrYrGluCyLysGlnGluArgIleLysGluTyrrGlu 240
Db      809 CCGAGTCTACACAGCACTTTTATGATGATTAACAAGAAATGAAATGAAATGAA 868
Qy      241 MetLeuPheLeuValSerAsnGluGluMetHisLysGlnIleLeuMetThrIleGlyLeu 260
Db      869 ATGTTATTTTGGTTTCAATATGAAATGCAATGCAATGCAATGCTGATGACTATAGCTTTG 928
Qy      261 GluAsnLeuCyGlnAsnProTyrrPheSerAsnLeuArgGlnAsnMetLysAspLeuIle 280
Db      929 GAGAACCTGTGTGAAATCCATCTTTAGCAATCTAAGCAAAACATGAAAGACCTTATC 988
Qy      281 LeuLeuLeuAlaThrValAlaSerSerValProAsnPheLysHisPheGlyPheTyrrArg 300
Db      989 CTACTTTTGGCCACAGTACCTTCCAGTGTGCCGAACTTTAAACACTTCGAGATTTCACCG 1048
Qy      301 SerAsnProGluGlnIleAsnGluIleHisAsnGlnSerLeuProGlnGluIleAlaArg 320
Db      1049 AGCAATCCAGAACAGATTATGAAATTCACAAATCAAGTTTCCACAGAAATTTGCAAG 1108
Qy      321 HisCysMetValGlnAlaArgLeuLeuAlaTyrrArgThrGlyGluLeuHisArgSer 339
Db      1109 CACTGCAATGCTTCAAGCCAGGTTATTGGCATATCGAACTGTGATGATTATGATGATCG 1165

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## RESULT 4

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US-10-785-135-1
; Sequence 1, Application US/10785135
; Publication No. US20040142375A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Rudolph-Owen, Laura
; TITLE OF INVENTION: 26934, A Novel Cytidine Deaminase-Like
; FILE REFERENCE: 35800/213921
; CURRENT APPLICATION NUMBER: US/09/802,371
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/148,294
; PRIOR FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 1
; LENGTH: 1585
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURES:
; NAME/KEY: CDS
; LOCATION: (149) ... (1165)
; NAME/KEY: misc_feature
; LOCATION: (1) ... (1585)
; OTHER INFORMATION: n = A,T,C or G
US-10-785-135-1

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US-10-785-135-2 (1-339) x US-09-822-846-332 (1-2029)
QY 118 HsGlySerArgLeuLysAsnCyAspLeuTyrPheSerArgLysProCysSerAlaCys 137
Db 1 CATGGGTCAAGGCTGAAAAAAGCTGATCTTATTTTCCGAAAAACCATGTTCTGCTTGT 60
QY 138 LeuLysMetIleValAsnAlaGlyValAsnArgIleSerTyrThrProAlaAspProGlu 157
Db 61 TGGAAAAATATATGTTAAATGCTGAGATTACCGAATTCATACGCGCTGCTGATCCAGAA 120
QY 158 IleSerLeuLeuThrGluLysSerSerGluAspAlaLysLeuAspAlaLysAlaVal 177
Db 121 ATTAAGTTCTTACGAGGCTTCTTACTTCTGAAGATGCAAGTTAATGCCAAAGCAGTG 180
QY 178 GluArgLeuLysSerAsnSerArgAlaHisValCysValLeuLeuGlnProLeuValCys 197
Db 181 GAAAGATTGAAGTCACAAACAGTGGGCCCATGTGTGTCTTACTTCAACCTTGATGTGT 240
QY 198 TyrMetValGlnPheValGluGluThrSerTyrLysCysAspPheIleGlnLysIleThr 217
Db 241 TATATGTCAGATGTTGTAGAGAGACCTCTTCAAAATGACCTTATTCAAAAAATTACA 300
QY 218 LysThrLeuProAspAlaAsnThrAspPheTyrTyrGluCysLysGlnLysArgIleLys 237
Db 301 AAAAATTCCCGATCTTAACTGACTTATTATTAATGATGTAACAGAAAGAAATAAA 360
QY 238 GluTyrGluMetLeuPheLeuValSerAsnGluMetHisLysGlnIleLeuMetThr 257
Db 361 GAATATGAATGATGTTATTTTGGTTCAAAATGAAGAATGCAATGCAAAATGACTGAGACT 420
QY 258 IleGlyLeuGluLysLeuLysCysGluAsnProTyrPheSerAsnLeuArgIleAsnMetLys 277
Db 421 AATAGTTTGAAGAACTGTGTGAAATCCATCTTAAATGCAATCTTAAAGGCAAAACATGAAA 480
QY 278 AspLeuIleLeuLeuLeuAlaThrValAlaSerSerValProAsnPheLysHisPheGly 297
Db 481 GACCTTATCTTACTTTTGGCCACAGTACGCTTCCAGTGTCCGAACTTTAAACCTTCCGA 540
QY 298 PheTyrArgSerAsnProGluGlnIleAsnGlnIleHisAsnGlnSerLeuProGlnGlu 317
Db 541 TTTTACCGTAGCAATCCAGACAGATTAATGAATTCACATCAATCAAGTTTGCACAGGAA 600
QY 318 IleAlaArgHisCysMetValGlnAlaArgLeuLeuAlaTyrArgThrGlyLeuHis 337
Db 601 ATTGCAAGGCACTGATGTTGTCAGGCCAGTTAATGTCATCTCGAAGCT---GAGGATCAT 657
QY 338 ArgSer 339
Db 658 AAAACA 663

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; SEQ ID NO 1
; LENGTH: 410846
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-481-613-1
Alignment Scores:
Pred. No.: 8,296-116 Length: 410846
Score: 1030.50 Matches: 199
Percent Similarity: 96.2% Conservative: 3
Best Local Similarity: 94.8% Mismatches: 3
Query Match: 58.7% Indels: 5
Db: 10 Gaps: 1
US-10-785-135-2 (1-339) x US-10-481-613-1 (1-410846)
QY 135 SerAlaCysLeuLys-----MetIleValAsnAlaGlyValAsnArgIle 149
Db 85125 TACGATGATGATTCATTAATTAATTCCTTCCGATTTTGTATTTTCAAGCTGACGAAATT 85184
QY 150 SerTyrTrpProAlaAspProGluLysSerLeuLeuThrGluLysSerSerGluAsp 169
Db 85185 TCATATCGGCTGCTGATCCAGAAATTAAGTTGCTTACCGAGGCTTCTGTTCTGAAGAT 85244
QY 170 AlaLysLeuAspAlaLysAlaValGluArgLysSerAsnSerArgAlaHisValCys 189
Db 85245 GCAAGATTAGATGCCAAGGAGCGAGGAAAGATTGAAGTCAACAGTCGCGCCATGTGTGT 85304
QY 190 ValLeuLeuGlnProLeuValCysTyrMetValGlnPheValGluGluThrSerTyrLys 209
Db 85305 GCTTACTTCAACCTTGTGGTGTATATGATGAGGATTTGTAGAGAGACCTTTACAA 85364
QY 210 CysAspPheIleGlnLysIleThrLysThrLeuProAspAlaAsnThrAspPheTyr 229
Db 85365 TGTGACTTATTAATCAAAATTAACAAACATTTGCCGATGCTTAACTGACTTTATTTAT 85424
QY 220 GluCysLysGlnGluArgIleLysGluTyrGluMetLeuPheLeuValSerAsnGlnGlu 249
Db 85425 GATATTAACCAAGAAAGAAATTAAGAAATGTAATTTTGGTTCCAAATGAGAA 85484
QY 250 MetHisLysGlnIleLeuMetThrIleGlyLeuGluAsnLeuCysGluAsnProTyrPhe 269
Db 85485 ATGCATTAAGCAAAATCTGATGCTATAGGTTTGAAGACCTGTGGAATTCATCTTT 85544
QY 270 SerAsnLeuArgGlnAsnMetLysAspLeuIleLeuLeuAlaThrValAlaSerSer 289
Db 85545 AGCAATCTAAGGCAAAACATGAAGACCTTATCTTATCTTGGCCACACTAGCTTCAGT 85604
QY 290 ValProAsnPheLysHisPheGlyPheTyrArgSerAsnProGluGlnIleAsnGlnIle 309
Db 85605 GTGCCGAATTTAAACACTTCCGATTTTACCGTACCAATCCAGAACGATTAAGAAATT 85664
QY 310 HisAsnGlnSerLeuProGlnGluIleAlaArgHisCysMetValGlnAlaArgLeuLeu 329
Db 85665 CACATATCAAGTTTCCACAGGAATTCAGAGGCACTGATGTTTCAAGCCAGGTTATTG 85724
QY 330 AlaTyrArgThrGlyLysLeuHisArgSer 339
Db 85725 GCATATCGAATCGTGAGATTACATAGATCG 85754

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RESULT 6
US-10-481-613-1
; Sequence 1, Application US/10481613
; Publication No. US20050085627A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, Youming
; APPLICANT: Moffatt, Miriam
; APPLICANT: Cookson, William
; APPLICANT: Tinsley, Jon
; TITLE OF INVENTION: Atopy
; FILE REFERENCE: 16721-0003US1 / P32688WO/KVC
; CURRENT APPLICATION NUMBER: US/10/481,613
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: PCT/GB02/02859
; PRIOR FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: GB 0115211.5
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: GB 0115212.3
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: GB 0115213.1
; PRIOR FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 326
; SOFTWARE: PatentIn version 3.1

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RESULT 7
US-09-983-802-25
; Sequence 25, Application US/09983802
; Publication No. US20030022185A1
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/983,802
; PRIOR FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/227,357
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/US98/13684

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PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-07  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,926  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,793  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,925  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,929  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,803  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,732  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,931  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,932  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,916  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,930  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,918  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,733  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,920  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,795  
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 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,928  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,722  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,723  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,948  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,949  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
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 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,947  
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 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,964  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/056,360  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,684  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,984  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,954  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,785  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,664  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,660  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
 PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661  
 NUMBER OF SEQ ID NOS: 672  
 PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 25  
 LENGTH: 1555  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: SITE

LOCATION: (1248)  
 OTHER INFORMATION: n equals a,t,g, or c  
 NAME/KEY: SITE  
 LOCATION: (1389)  
 OTHER INFORMATION: n equals a,t,g, or c  
 NAME/KEY: SITE  
 LOCATION: (1391)  
 OTHER INFORMATION: n equals a,t,g, or c  
 NAME/KEY: SITE  
 LOCATION: (1393)  
 OTHER INFORMATION: n equals a,t,g, or c  
 NAME/KEY: SITE  
 LOCATION: (1396)  
 OTHER INFORMATION: n equals a,t,g, or c  
 NAME/KEY: SITE  
 LOCATION: (1551)  
 OTHER INFORMATION: n equals a,t,g, or c  
 US-09-983-802-25

Alignment Scores:  
 Pred. No.: 3,276-86 Length: 1555  
 Score: 767.00 Matches: 195  
 Percent Similarity: 41.1% Conservative: 13  
 Best Local Similarity: 38.5% Mismatches: 31  
 Query Match: 43.7% Indels: 267  
 DB: 3 Gaps: 7  
 US-10-785-135-2 (1-339) x US-09-983-802-25 (1-1555)

4 AlaGlyGlnMetGlnAsnLeuGlnSerAlaArgAlaGlyArgSerValSerThrGlnThr 23  
 8 GGTGGGCGATGCAAAATCTGGAGGCGGAGGCGGCGGCGGTCACTGCACCCAGACT 67  
 24 GlySerMetThrGlyGlnLeuProArgLeuSerIleValAsnLeuPheThrLeuLeuSer 43  
 68 GGCACATGACCGCGTCAGATACCAAGCTTCTTAAGTCAACTTTCACCTGCTGCTCAC 127  
 44 LeuTyrMetGlnLeuPheProAlaGlnValGlnArgGlnIleValSerGlnIleValSer 63  
 128 CTCTGATGATGAGCTCTTTCACAGAGAGCCGCGCAAAATCTCGAATAATGAAAGAG 187  
 64 GlyValHisGlyProLeuGlyAspAsnGlnGluArgThrArgValSerThrAspLeuArg 83  
 188 GGAAGCATGACCTTACGAGATTAATGAGAGAGAGCCAGAGTATCTGACAAAGA 247  
 84 Gln----- 84  
 248 CAGATTACTGGGACAGCTAAGATGCTTATGAAAGGTTTACATCACTGCTGCTTAG 307  
 84 ----- 84  
 308 GAAATGATTATGAGAACTCGAAGAGGAGGAAATGCAACCGGAGGAAACACTCT 367  
 85 ----- 85  
 368 GATATGAGTTTGAAGCCTTCAAAATTCCTTTCAGAGATTAAGCAACAGAGTACAGAGAT 427  
 88 Thr----- 88  
 428 ACCAGGAGTGTATGAAATGTTATTGTTAAGTACAGACTTTTATGATCAATTAAT 487  
 89 ----- 89  
 488 TTGAAGGTAGAACACTGTGGGCTCTCTTCTTATTTCTTCTGTTGGTACAAATCACAAA 547  
 93 LysAsnMetIleValGlyLeuHis-----ValIleValVal 93  
 548 AAAAATCTCTCTGATGAAATTTACATGACATGACAAAGGCTCTTTGTTATAA 607  
 103 -CysSerSerGluAspLeuHisAlaGlyGlnIleAlaLeuIleValHis----- 118  
 608 CTGTCATTAATTAAGCAACATTTGTACTTAAGTATGATGATGATGATGATGATGATGAT 667

118 ----- 118  
Db 668 ATTCAAAATCAAAATTAATTTTTCACATTGTAATCTGTAATGTTTCTCTTT 727  
118 ----- 118  
Db 728 ACAATTGCTGTCGATCTTTTGTCTCTTTAGCCCTTATCTGTCATCATAT 787  
119 ---GlySerArgLeuLys----- 123  
Db 788 GGGCTCAATGAATGAATGAATATTTTCTGTAATTAACATTAACTTTCTCTGTC 847  
123 ----- 123  
Db 848 CACTGATGAAAAATGATCTATTAGTTGTTGTTGTTCTTAATTTGTAAGCTTTAA 907  
123 ----- 123  
Db 908 AAAGTATATTCCTTCGACACATCCCAATCACAATAGAAATTTTTCATGTTAT 967  
123 ----- 123  
Db 968 AAATCTTTGTCGACATTTGTAATCTGTTTATGAGAGACCAATTAATTAATCA 1027  
124 ----- 125  
Db 1028 ACCATTCCTTATTTTGGTCATTAGTTGGTTGGTTGGTTGGTTGGTTGGTTGGTT 1087  
125 aaPLeuTyrPheSerArgLysProCysSerAlaCys----- 137  
Db 1088 CTTCGCTGCTATTTAAAGAAATGCTGCACTAATGTAATGCTTGAGATTTCTCTG 1147  
138 -----LeuLysMetIleValAsn----- 143  
Db 1148 TATTAGAAATATTCTCTAGATGATGATCTCAAGAAATCTCAGCTGTCGAGAGAAC 1207  
144 -----AlaGlyValAsnArgIleSerTyrProAlaAspProI 157  
Db 1208 ATTTTAATGATGAGAGAGCTGAGAGAACCAATTTCTMACTGCCCTGCTGATCAAG 1267  
157 vilesSerLeuLeuThiGluAlaSerSerSerGluAspAlaLysLeuAspAlaLysAla 177  
Db 1268 AATTAAGTTGCTTACGAGAGCTTCTAGTTCTGAAGATGCAAAATTGAGTCCAAACAG 1327  
177 lgluArgLeuLysSerAsnSerArgIleValIleValLeuLeuGlnProLeuValCys 197  
Db 1328 GGAAGATGAGAGTCAACAGCTGGGCGCCATGCTGTCTTCACTCAACCTTGGTGTG 1387  
197 sTyrMetValGlnPheValGlnGlnIleThrseryTyrLysCysAspPheIleGlnLysIleTh 217  
Db 1388 TTAANANGGACAGTTGTAGAGAGAGCTCTTAACAATGACTTTATTTCAAAAAATTAAC 1447  
217 rlySerLeuProAspAlaAsnThiAspPheTyrTyrGluCysValGlnGlnLysIleLys 237  
Db 1448 AAAAATGTCGCGAGCTTAACCTGACCTTTATTTATGAAATGTAACAAAGAAATATAA 1507  
237 sgluTyrGluMetLeu 242  
Db 1508 AGAATATGAATGTTTA 1523

PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,926  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,793  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/056,785  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,664  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,660  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 25  
LENGTH: 1555  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURES:  
NAME/KEY: SITE

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? LOCATION: (1248) OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE LOCATION: (1389)
? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE LOCATION: (1391)
? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE LOCATION: (1393)
? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE LOCATION: (1396)
? OTHER INFORMATION: n equals a,t,g, or c
? NAME/KEY: SITE LOCATION: (1551)
? OTHER INFORMATION: n equals a,t,g, or c
US-09-984-450-25

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Alignment Scores:	
Pred. No.:	3,27e-86
Score:	767.00
Percent Similarity:	41.1%
Best Local Similarity:	38.5%
Query Match:	43.7%
DB:	3
	Gaps: 7

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PRIOR APPLICATION NUMBER: PCT/US98/13684
PRIOR FILING DATE: 1998-07-07
PRIOR APPLICATION NUMBER: 60/051,926
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,793
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,925
PRIOR FILING DATE: 1997-07-08
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PRIOR APPLICATION NUMBER: 60/052,803
PRIOR FILING DATE: 1997-07-08
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PRIOR APPLICATION NUMBER: 60/051,930
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,918
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,920
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,733
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/052,795
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,919
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/051,928
PRIOR FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: 60/055,722
PRIOR FILING DATE: 1997-08-18
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PRIOR APPLICATION NUMBER: 60/058,664
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,660
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,661
PRIOR FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 947
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 37
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens

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FEATURE:
NAME/KEY: misc feature
LOCATION: (1248)..(1248)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (1389)..(1389)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (1391)..(1391)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (1393)..(1393)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (1396)..(1396)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (1551)..(1551)
OTHER INFORMATION: n equals a,t,g, or c
US-09-973-278-37

Alignment Scores:
Pred. No.: 3,276-86 Length: 1555
Score: 767.00 Matches: 195
Percent Similarity: 41.1% Conservative: 13
Best Local Similarity: 38.5% Mismatches: 31
Query Match: 43.7% Indels: 267
Gaps: 7

US-10-785-135-2 (1-339) x US-09-973-278-37 (1-1555)
QY 4 AlaGlyGlnMetGlnAsnLeuGlnSerAlaArgAlaGlyArgSerValSerThrGlnThr 23
DB 8 GCTGGGCGAGATGCAAAATCTGAGAGCGGAGGCGGCGGCTCAGTCAGCCAGACT 67
QY 24 GlySerMetThrGlyGlnIleProArgLeuSerValAsnLeuPheThrIleuLeuSer 43
DB 68 GCGACATGACCGGTCATACCAAGCTTCTTAAGTCACCTTTCACTGCTGCTGAC 127
QY 44 LeuTPMetGluLeuPheProAlaGluAlaGlnArgGlnIleValSerGlnIleValSerGln 63
DB 128 CTTCTGATGAGAGCTCTTTCACAGAAAGCCAGCGGCAAAATCTCAGAAATGAAAG 187
QY 64 GlyLeuHisGlyProLeuGlyAspAsnGlnGluArgThrValSerThrAspIleArg 83
DB 188 GGAAGCATGAGCCCTTGAAGATATGAAAGAGACAGAGTATCTGACAAAGA 247
QY 84 Gln----- 84
DB 248 CAGGATTCTGGAGACAGCTAAGATGCTTATGAAAGTTTACATCACTGCTGTTAG 307
QY 84 ----- 84
DB 308 GAAATGATTATGAACTCGAAGAGAAAGTAAATGCAACCGAGAAACACTCT 367
QY 85 -----ValIleArg 87
DB 368 GATATGAGTTTGAAGCCCTTCAGAAATGCTTTCAGCATTAAGCCAGTAGTACGAGT 427
QY 88 Thr----- 88
DB 428 ACCAGGAGTGAATGATGTTTATTTCTTAAGTGAACCTTTTATGTCATCAATATT 487
QY 89 -----GlyLeuValVal-Va 93
DB 488 TTGAAGGTAGAACACTGCTGTGGGCTCTTCTTATTTCTTCTGGAATACATCAAAA 547
QY 93 LlyeAsnMetCylValIleValGlyLeuHis----- 102
DB 548 AAAAATCTCTCCAGCTGAATTAATGACAGTACGACTAAGAGGCTCTTTGTTATAAA 607
QY 103 -CysSerSerGluPheLeuHisAlaGlyGlnIleAlaLeuIleuValHis----- 118

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Db      608 CTGTCATTAAATGACGAACATTGTGTACTTAATGTAAGAGCATCTGCTCA 667
Qy      118 ----- 118
Db      668 ATTTCAAATACAAATTAATAATATTTTTCACATTGTATCCGTATATGTTTCTCTTT 727
Qy      118 ----- 118
Db      728 ACAATATGTCCTGTCCTATCTTTTGTCTCTTTAGGCTTATCTGTCAATCATAT 787
Qy      119 ----GlySerArgLeuLys----- 123
Db      788 GTGCTCTAATGAATGAATTAATTTTGTATTAATAACATTACTAACCTTCTCTGTCA 847
Qy      123 ----- 123
Db      848 CACTGATGAAAAATGATCATATTAGTTGTGTGTGTCTTAAATTTTGTAAAGCTTTAA 907
Qy      123 ----- 123
Db      908 AAAGTTAATATGCTCCCTTGACACACATCCCAACATACATAGAAATTTTTCATGTAT 967
Qy      123 ----- 123
Db      968 AAATTTCTTGTGACATATTGATACTGTTTATTAAGAGAGACCATATTAATTTCA 1027
Qy      124 -----AsnCy----- 125
Db      1028 ACCATTCCCTATTTTGTGATTTAGTTTGGTTGGTTTGGTTTGTGTTTAAACGT 1087
Qy      125 sAspLeuTyrPheSerArgLysProCySseArgLys----- 137
Db      1088 CTTTGCTCTCTATTTTAAAGAAATGCTGCACTAATGTGAATGCTGATTTCTCTGTG 1147
Qy      138 -----LeuysMetIleValAsn----- 143
Db      1148 TATTTAGAAATTTTCTAGAAATGATTTCTCAGAAATTTCTCAGCTGTGAGAGAAC 1207
Qy      144 -----AlaGlyValAsnArgIleSerTyrTrpProAlaAspProG 157
Db      1208 ATTTTATGATGAGAAAGCTGTGAGTGAACCGAATTTTCANACTGCCGTGATCCAGA 1267
Qy      157 uIleSerLeuLeuThGluAlaSerSerGergLysAspAlaLysLeuAspAlaLysAla 177
Db      1268 AATAAGTTTGTCTTACGAGAGCTTCTAGTCTGAAAGTGAACAAATGTAGTCCAAAGCAG 1327
Qy      177 LgluArgLeuLysSerAsnSerArgLahIshValCysValIleuLeuGlnProLeuValCy 197
Db      1328 GGAAGATTGAACTCAAAACAGTGGGCCCAATGTGTCTTACTTCAACCTTTGGTGTG 1387
Qy      197 sTyrMetValGlnPheValGluGlnThrSerTyrLysCysAspPheIleGlnLysIleTh 217
Db      1388 TAAANAGNGACAGTTGTAGAGAGACCTTCAATGTGACTTATTCAAAATAATTAC 1447
Qy      217 rTyrThrLeuProAspAlaAsnThrAspPheTyrTyrGluCysLysGlnGluArgIleLys 237
Db      1448 AAAAAATTTGCCGAGATGCTAACCTGACTTTATTAATGAATGAACCAAGAAAGATATA 1507
Qy      237 sGluTyrGluMetLeu 242
Db      1508 AGAATATGAATGTTA 1523

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/ PRIOR FILING DATE: 2001-11-13
/ PRIOR APPLICATION NUMBER: US 60/306,171
/ PRIOR FILING DATE: 2001-07-19
/ PRIOR APPLICATION NUMBER: US 60/277,340
/ PRIOR FILING DATE: 2001-03-21
/ NUMBER OF SEQ ID NOS: 650
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO: 83
/ LENGTH: 1555
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1248)..(1248)
/ OTHER INFORMATION: n equals a,t,g, or c
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: (1385)..(1389)
/ OTHER INFORMATION: n equals a,t,g, or c
/ FEATURE:
/ NAME/KEY: misc_feature
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/ NAME/KEY: misc_feature
/ LOCATION: (1393)..(1393)
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/ NAME/KEY: misc_feature
/ LOCATION: (1396)..(1396)
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/ FEATURE:
/ NAME/KEY: misc_feature
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/ OTHER INFORMATION: n equals a,t,g, or c
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/ US-10-472-533-83

Alignment Scores:
Pred. No.: 3,276-86 Length: 1555
Score: 767.00 Matches: 195
Percent Similarity: 41.1% Conservative: 13
Best Local Similarity: 38.5% Mismatches: 31
Query Match: 43.7% Indels: 267
DB: 10 Gaps: 7

US-10-785-135-2 (1-339) x US-10-472-533-83 (1-1555)
Qy      4 AlaGlyGlnMetGlnAsnLeuGlnSerAlaArgAlaGlyArgSerValSerThrGlnThr 23
Db      8 GCTGGGCAAGATGCAAAATCTGGAGAGCCGAGGCGCGGCTCACTACGACCCAGACT 67
Qy      24 GlySerMetThrGlyGlnIleProArgLeuSerLysValAsnLeuPheThrLeuLeuSer 43
Db      68 GGCACATGACCGGTCACATACCAAGCTTTCTAAAGTCAACCTTTCTACTGCTCAGC 127
Qy      44 LeuTrpMetGlnLeuPheProAlaGluAlaGlnArgGlnLysSerGlnLysAsnGlnGlu 63
Db      128 CTTGTGAATGAGACTCTTTTCCAGACAGCCCGCGCAAAAATCTCAGAAAATGAAGAG 187
Qy      64 GlyLysHisGlyProLeuGlyAspAsnGluGlnArgThrArgValSerThrAspLysArg 83
Db      188 GGAAGCATGACACCTTGAAGATTAATGAAGAGAGCAAGAGTATCTATCAACAAAGA 247
Qy      84 Gln----- 84
Db      248 CAGATTAATGAGAGACAGCTAAGATGCTATATGAAGGTTTACATCACTGCTGTAG 307
Qy      84 ----- 84
Db      308 GAATGATTAATGAGACTCGAACAGAGGAAAGTGAAATGCAACCGAGAAACACTCT 367
Qy      85 -----ValLysArg 87

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Db      368 GATATGAGCTTTAGGCTTCAAAATTCCTTGACAGATAGCAGACGTCAGAGCT 427
QY      88 TTT-----
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QY      89 -----GlyLeuValVal-Va 93
Db      488 TTGAAGGAGAGAACACTCTGTGGGCTCTCTTCTATTTCTCTGTGGTACAAATCAGAAA 547
QY      93 llysaamlelye11eValGlyLeuHis-----102
Db      548 AAAAATCTCTCTAGCTGAATTAATGACAGTACAGCAAGGCTCTTTGTATAAA 607
QY      103 -CySerSerGluAspLeuHis1a1aGlyGln1e1aLeu1eLyHis-----118
Db      608 CTGTTCATTAATTAAGAACATTTGTGTACTTAATGATTAAGGACATCTCATCTGTC 667
QY      118 -----118
Db      668 ATTTCAAATACAAATTAATTAATTTTTCACATTTGTATCTGTATGTTTTCTCTTT 727
QY      118 -----118
Db      728 ACAATTCCTGCTGCTATCTTTTGTCTCTCTTACGCTTATTTCTGCAATTCATAT 787
QY      119 ----GlySerArgLeuHis-----123
Db      788 GTGCTCTAATGATTAATTAATTTTGTGATATTAACATTACTTAACCTTCTCTGTCA 847
QY      123 -----123
Db      848 CACTGATGAAAAATGATCTATTAGTTGTTGTTGTTGCTTAATTTGTAACTTTAA 907
QY      123 -----123
Db      908 AAAGTTAATTAATTCCTCTTACAGACATCCCAACATCATAAGAAATTTTTCATGTAT 967
QY      123 -----123
Db      968 AATTCCTTGTGACATATTGTATTAATCTGTTTATTAAGAGAGACATATTAATTC 1027
QY      124 -----AsnCy 125
Db      1028 ACCATTCCTCTATTTTGTGATTAATTTGCTTTGGGTTTGTGTTTGTGTTTAACTG 1087
QY      125 saspleuTyRPhseSerArgLySProCySerAlaCys-----137
Db      1088 CTTTGTCTGCTATTTAAAGAAATGCTGACATAATGTAATGCTTGAGATTTCTCTCTG 1147
QY      138 -----LeuLySmet11eValAsn-----143
Db      1148 TATTAGAAATTTTCTAGAAATGATTCAGAGAATTCAGAGATTCGCTGAGAGAGAAC 1207
QY      144 -----AlaGlyValAsnAg11eSerTyR-TPrProAlaAspProG1 157
Db      1208 ATTTTAAATGATGAGAGAGCTGAGAGTGAACCAATTTCCAACTGCTGCTATCAAG 1267
QY      157 u11eSerLeuLeuThGluAlaSerSerSerGluAspAlaLyLeuAspAlaLyVala 177
Db      1268 AATTAATTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAACTTGAATGCCAAGCA 1327
QY      177 lgluatGLeuLySerAsnSerArg1a1a1eVal1eCysVal1eLeuGlnProLeuVal 197
Db      1328 GGAATGATGAGTCAAAAGCTGGGCGCATGCTGTGCTTACTTCAACCTTGTGCTG 1387
QY      197 sTyRmetValGlnPheValGlnGluThrSerTyR1eCysAspPhe11eGlnLyS11eTh 217
Db      1388 TANNANGANGACCTTTGTAGAGAGACCTTCAATGATGACTTTATTCAAAATTTAC 1447
QY      217 rlysthrLeuProAspAlaAsnThrAspPheTyR1eGlnCysValGlnGluArg1eLy 237
Db      1448 AAAAACCTTGGCGGAGTCTACGCTTATTTATTAATGTAAACAGAAATTAATA 1507

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QY      237 sgluTyRGlumetLeu 242
Db      1508 AGAATATGAATGTATA 1523

RESULT 11
US-11-021-492-515
; Sequence 515, Application US/11021492
; Publication No. US20060031947A1
; GENERAL INFORMATION:
; APPLICANT: Abulin, Alejandro
; APPLICANT: Zambrowicz, Brian
; APPLICANT: Sande, Arthur T.
; TITLE OF INVENTION: Novel Mutated Mammalian Cells and
; FILE OF INVENTION: Animals
; FILE REFERENCE: LEX-0368-USA
; CURRENT APPLICATION NUMBER: US/11/021,492
; CURRENT FILING DATE: 2004-12-23
; PRIOR APPLICATION NUMBER: US 60/307,670
; PRIOR FILING DATE: 2001-07-25
; NUMBER OF SEQ ID NOS: 698
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 515
; LENGTH: 489
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 183, 206
; OTHER INFORMATION: n = A, T, C or G
US-11-021-492-515

Alignment Scores:
Pred. No.: 1,53e-80 Length: 489
Score: 716.00 Matches: 145
Percent Similarity: 93.2% Conservative: 5
Best Local Similarity: 90.1% Mismatches: 9
Query Match: 40.8% Indels: 3
DB: 16 Gaps: 0

US-10-785-135-2 (1-339) x US-11-021-492-515 (1-489)
QY      84 GlnValLyAsxThGlyLeuValValLyAsnMetLyS11eValGlyLeuHisCys 103
Db      2 GAGGTGACGAAACGCTGTTGTGTGGTGAA-AACATGAAGATCATGTGCTTCACTGC 60
QY      104 SerSerGluAspLeuHis1a1aGlyGln1e1aLeu1eLyHis1eGlySerArgLeu 123
Db      61 TCCAGTGAAGACTTACATCTGCGCAAAATTCCTTATTAAGCATGGTCCAGCGTGA 120
QY      124 AsnCyAspLeuTyRPhseSerArgLySProCySerAlaCysLeuLySmet11eValAsn 143
Db      121 AACTGATCTTATTTTCAAGAAACCATGTTCTGCTGTTGAAATGATAGTGAAT 180
QY      144 Ala-GlyValAsnAg11eSerTyR-TPrProAlaAspProG1u1eSerLeuThG 163
Db      181 GGNATGAGTAAACCAATTTCTTACCTGCTCTGAGCCCAAGAAATGATGCTCACTG 240
QY      163 lualSerSerSerGluAspAlaLyLeuAspAlaLyValaGluatGLeuLySera 183
Db      241 AGCTTCTAGTCTGAAGATGCAAGCTGAGCCCAAGGAGAAAGTTGAAGTCA 300
QY      183 snSerArg1a1a1eVal1eCysVal1eLeuGlnProLeuVal1eCysTyRmetValGlnPhe 203
Db      301 ACAGCGGCGCATGCTGTGCTTACTTCAACCGCTGCTGTGTTACATGCTGCACTTTG 360
QY      203 a1GlnGluThrSerTyR1eCysAspPhe11eGlnLyS11eThrLyS11eThrLeuProAsp 223
Db      361 TGAAGAAACCTTCAATGATGACTTATTCAGAAACCTGCAAAAGCGTCCGGGTG 420
QY      223 lAsnThrAspPheTyR1eGlnCysLyS1eGlnGluArg1eLySgluTyRGlumetLeu 242
Db      421 CTGACATCATTTTATTTCTGATGTAAATGTAACAGAAATTAATAAGTATGAATGTATA 479

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RESULT 12  
US-10-475-075-601  
Sequence 601, Application US/10475075  
Publication No. US20060053498A1  
GENERAL INFORMATION:  
APPLICANT: Benjamin, Stephanie  
APPLICANT: Tanaka, Hiroaki  
APPLICANT: Dumas Milne Edwards, Jean-Baptiste  
APPLICANT: Jobert, Severin  
APPLICANT: Giordano, Jean-Yves  
TITLE OF INVENTION: Full-length human cDNAs encoding potentially secreted proteins  
FILE REFERENCE: G-0810503PCT  
CURRENT APPLICATION NUMBER: US/10/475,075  
CURRENT FILING DATE: 2003-10-17  
PRIOR APPLICATION NUMBER: PCT/IB01/00914  
PRIOR FILING DATE: 2001-04-18  
NUMBER OF SEQ ID NOS: 918  
SOFTWARE: Patent.pm  
SEQ ID NO 601  
LENGTH: 529  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 124..528  
FEATURE:  
NAME/KEY: Unsure  
LOCATION: 145..147  
OTHER INFORMATION: Xaa = Gln or Glu  
FEATURE:  
NAME/KEY: Unsure  
LOCATION: 310..312  
OTHER INFORMATION: Xaa = Glu or Gly  
FEATURE:  
NAME/KEY: Unsure  
LOCATION: 520..522  
OTHER INFORMATION: Xaa = His or Pro  
US-10-475-075-601

Alignment Scores:  
Pred. No.: 1,45e-72 Length: 529  
Score: 654.00 Matches: 129  
Percent Similarity: 97.7% Conservative: 0  
Best Local Similarity: 97.7% Mismatches: 3  
Query Match: 37.3% Indels: 0  
DB: 11 Gaps: 0

US-10-785-135-2 (1-339) x US-10-475-075-601 (1-529)

QY 1 MetLyGluAlaGlyGlnMetGlnAsnLeuGluSerAlaArgAlaGlyArgSerValSer 20  
DB 124 ATGAAGAAGAGCTGGGAGATGAGAAATCTGAGAGCGGCGGCGGCGGTCACTCAGC 183  
QY 21 ThGlnThGlySerMetThGlyGlnIleProArgLeuSerLysValAsnLeuPheThr 40  
DB 184 ACCCAAGCTGGCAGCATGACCGGTGAGATCCAAAGCTTTCTAAGTCAACCTTTCACT 243  
QY 41 LeuLeuSerLeuTrpMetGluLeuPheProAlaGlnAlaGlnArgGlnLysSerGlnLys 60  
DB 244 CTGCTCAGGCTCTGAGATGAGAGCTCTTCCAGCAGAGCCGAGGCGCAAAATCTCAGAAA 303  
QY 61 AsnGluGluGlyLysHisGlyProLeuGlyAspAsnGluGlnArgGlnArgValSerThr 80  
DB 304 AATGAAGAGGGAAGAGCATGAGACCTTAAGAGATATGAAAGAGGAGCAGAGTATCTACT 363  
QY 81 AspLysArgGlnValLysArgThrGlyLeuValValLysAsnMetLysIleValGly 100  
DB 364 GACAAAAGACAGGTAAAGAGAACTGCTGTGTGTGTAAGAAATGTTGGT 423  
QY 101 LeuHisCysSerSerGluAspLeuHisAlaGlyGlnIleAlaLeuLeuLysHisGlySer 120  
DB 424 CTCACCTGTTCTAGTAAAGATTACATGCGGCGAGATTGCTTTATTAAACATGGGTCA 483

QY 121 ArgLeuLysAsnCysAspLeuTrpPheSerArgLys 132  
DB 484 AGGCTGAAAACCTGTGATCTTATTATTTCCAGAAAA 519

RESULT 13  
US-09-969-034-951  
Sequence 951, Application US/09969034  
Publication No. US20040110668A1  
GENERAL INFORMATION:  
APPLICANT: Burgess, Christopher C.  
APPLICANT: Astle, Jon H.  
APPLICANT: Carroll, Eddie III  
APPLICANT: Catino, Theodore J.  
APPLICANT: Divedi, Poorima  
APPLICANT: Molino, Gary A.  
APPLICANT: Thigalingam, Arunthathi  
APPLICANT: Lewis, Marcia E.  
TITLE OF INVENTION: Nucleic Acid Sequences Differentially  
Expressed in Cancer Tissue  
FILE REFERENCE: 1657/1032  
CURRENT APPLICATION NUMBER: US/09/969,034  
CURRENT FILING DATE: 2001-10-02  
PRIOR APPLICATION NUMBER: 60/237,271  
PRIOR FILING DATE: 2000-02-10  
NUMBER OF SEQ ID NOS: 494  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 951  
LENGTH: 562  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc.feature  
LOCATION: 264, 348, 367, 413, 419, 422, 431, 450, 470, 500, 502, 508,  
LOCATION: 517  
OTHER INFORMATION: n = A, T, C or G  
US-09-969-034-951

Alignment Scores:  
Pred. No.: 2.3e-44 Length: 562  
Score: 433.50 Matches: 118  
Percent Similarity: 81.7% Conservative: 7  
Best Local Similarity: 77.1% Mismatches: 14  
Query Match: 24.7% Indels: 14  
DB: 3 Gaps: 1

US-10-785-135-2 (1-339) x US-09-969-034-951 (1-562)

QY 1 MetLyGluAlaGlyGlnMetGlnAsnLeuGluSerAlaArgAlaGlyArgSerValSer 20  
DB 111 ATGAAGAAGAGCTGGGAGATGAGAAATCTGAGAGCGGCGGCGGTCACTCAGC 170  
QY 21 ThGlnThGlySerMetThGlyGlnIleProArgLeuSerLysValAsnLeuPheThr 40  
DB 171 ACCCAAGCTGGCAGCATGACCGGTGAGATCCAAAGCTTTCTAAGTCAACCTTTCACT 230  
QY 41 LeuLeuSerLeuTrpMetGluLeuPheProAlaGlnAlaGlnArgGlnLysSerGlnLys 60  
DB 231 CTGCTCAGGCTCTGAGATGAGAGCTTTCCAGCAGAAAGCCGAGGCGCAAAATCTCAGAAA 290  
QY 61 AsnGluGluGlyLysHisGlyProLeuGlyAspAsnGluGlnArgGlnArgValSerThr 79  
DB 291 AATGAAGAGGGAAGAGCATGAGACCTTAAGAGATATGAAAGAGGAGCAGAGTATCTACT 350  
QY 79 ThrAspLysArgGlnValLysArgThrGlyLeuValValLysAsnMetLysIle 98  
DB 351 TACTGACAAAAGACAGATTAAGAAAATCTGCTGTGTGTGTAAGAAATGTTGGT 410  
QY 98 e-ValGlyLeuHisCysSerSerGluAspLeuHisAlaGlyGlnIleAlaLeuLys 116  
DB 411 TGTGTGGTNTCAACTGTTCTTAAGTGAATAATTACATTCGCGGCGCAAAATGCTTTTATN 470  
QY 117 LysHis-GlySerArg-LeuLysAsnCysAspLeu-TrpPheSerArgLysProCysSer 135

Db 471 AATCATTTGGTTAAAGGCTGTAAGAACTGTGTAATTTTTCANAAAAACCATGTTT 530  
 QY 136 Ala-CysLeuLys 139  
 Db 531 GCTTTGTTTGAAA 543

## RESULT 14

US-10-242-535A-37272  
 ; Sequence 37272, Application US/10242535A  
 ; Publication No. US20040013663A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ChondroGene Inc.  
 ; APPLICANT: Liew, C.C.  
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis  
 ; FILE REFERENCE: 4231/2005  
 ; CURRENT APPLICATION NUMBER: US/10/242,535A  
 ; CURRENT FILING DATE: 2002-09-12  
 ; PRIOR APPLICATION NUMBER: US 10/085,783  
 ; PRIOR FILING DATE: 2002-02-28  
 ; PRIOR APPLICATION NUMBER: US 60/305,340  
 ; PRIOR FILING DATE: 2001-07-13  
 ; PRIOR APPLICATION NUMBER: US 60/275,017  
 ; PRIOR FILING DATE: 2001-03-12  
 ; PRIOR APPLICATION NUMBER: US 60/271,955  
 ; PRIOR FILING DATE: 2001-02-28  
 ; NUMBER OF SEQ ID NOS: 58994  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 37272  
 ; LENGTH: 218  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (20)..(20)  
 ; OTHER INFORMATION: n is a, c, g, or t  
 US-10-242-535A-37272

## Alignment Scores:

Pred. No.:	1,39e-37	Length:	218
Score:	375.00	Matches:	71
Percent Similarity:	98.6%	Conservative:	0
Best Local Similarity:	98.6%	Mismatches:	1
Query Match:	21.4%	Indels:	0
DB:	8	Gaps:	0

US-10-785-135-2 (1-339) x US-10-242-535A-37272 (1-218)

QY 170 AAlaLysLeuAspAlaLysAlaValGluArgLeuLysSerAsnSerArgAlaHisValCys 189  
 Db 1 GCAAGTTAGATGCCAAGAGTAGGAAGATTGAACTCAACGTCGGCCCATGTGTGT 60  
 QY 190 ValLeuLeuGlnProLeuValCysTyrMetValGlnPheValGluGlnLysSerTyrLys 209  
 Db 61 GTCTTACTTCAACCTTTGGTGTGTATATGTCAGCTTTGTAGAGAGACCTTTACAAA 120  
 QY 210 CysAspPheIleGlnLysIleThrLysThrLeuProAspAlaAsnThrAspPheTyr 229  
 Db 121 TGTGACTTATTCAAAAAATTACAAAAACATTGCCGAGCTTAACACTGACTTTATAT 180  
 QY 230 GluCysLysGlnGluArgLysGlnLysGlnLysGlnLysGlnLysGlnLysGlnLys 241  
 Db 181 GAATGTAAACAGAAAGAAATTAAGAAATGTGAATG 216

## RESULT 15

US-10-085-783A-37272  
 ; Sequence 37272, Application US/10085783A  
 ; Publication No. US20040037841A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ChondroGene Inc.  
 ; APPLICANT: Liew, C.C.  
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis  
 ; FILE REFERENCE: 4231/2002

; CURRENT APPLICATION NUMBER: US/10/085,783A  
 ; CURRENT FILING DATE: 2002-02-28  
 ; PRIOR APPLICATION NUMBER: US 60/305,340  
 ; PRIOR FILING DATE: 2001-07-13  
 ; PRIOR APPLICATION NUMBER: US 60/275,017  
 ; PRIOR FILING DATE: 2001-03-12  
 ; PRIOR APPLICATION NUMBER: US 60/271,955  
 ; PRIOR FILING DATE: 2001-02-28  
 ; NUMBER OF SEQ ID NOS: 58994  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 37272  
 ; LENGTH: 218  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (20)..(20)  
 ; OTHER INFORMATION: n is a, c, g, or t  
 US-10-085-783A-37272

## Alignment Scores:

Pred. No.:	1,39e-37	Length:	218
Score:	375.00	Matches:	71
Percent Similarity:	98.6%	Conservative:	0
Best Local Similarity:	98.6%	Mismatches:	1
Query Match:	21.4%	Indels:	0
DB:	8	Gaps:	0

US-10-785-135-2 (1-339) x US-10-085-783A-37272 (1-218)

QY 170 AAlaLysLeuAspAlaLysAlaValGluArgLeuLysSerAsnSerArgAlaHisValCys 189  
 Db 1 GCAAGTTAGATGCCAAGAGTAGGAAGATTGAACTCAACGTCGGCCCATGTGTGT 60  
 QY 190 ValLeuLeuGlnProLeuValCysTyrMetValGlnPheValGluGlnLysSerTyrLys 209  
 Db 61 GTCTTACTTCAACCTTTGGTGTGTATATGTCAGCTTTGTAGAGAGACCTTTACAAA 120  
 QY 210 CysAspPheIleGlnLysIleThrLysThrLeuProAspAlaAsnThrAspPheTyr 229  
 Db 121 TGTGACTTATTCAAAAAATTACAAAAACATTGCCGAGCTTAACACTGACTTTATAT 180  
 QY 230 GluCysLysGlnGluArgLysGlnLysGlnLysGlnLysGlnLysGlnLysGlnLys 241  
 Db 181 GAATGTAAACAGAAAGAAATTAAGAAATGTGAATG 216

Search completed: September 20, 2006, 04:37:52  
 Job time : 1489 secs

GenCore version 5.1.9  
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OM nucleic - nucleic search, using sw model

Run on: September 20, 2006, 03:42:47 ; Search time 2237.4 Seconds  
(without alignments)  
8704.717 Million cell updates/sec

Title: US-10-785-135-1

Perfect score: 1582.8  
Sequence: 1 ngcggtcaagcttgagcgct.....atagcaagactcgactcta 1585

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 18892170 seqs, 6143817638 residues

Total number of hits satisfying chosen parameters: 37784340

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database:

Published Applications NA.Main:\*

- 1: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*
- 2: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*
- 3: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*
- 4: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US09B\_PUBCOMB.seq:\*
- 5: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*
- 6: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US10A\_PUBCOMB.seq:\*
- 7: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US10B\_PUBCOMB.seq:\*
- 8: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US10C\_PUBCOMB.seq:\*
- 9: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US10D\_PUBCOMB.seq:\*
- 10: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US10E\_PUBCOMB.seq:\*
- 11: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US10F\_PUBCOMB.seq:\*
- 12: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US11A\_PUBCOMB.seq:\*
- 13: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US11B\_PUBCOMB.seq:\*
- 14: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US11C\_PUBCOMB.seq:\*
- 15: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US11D\_PUBCOMB.seq:\*
- 16: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US11E\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1582.8	100.0	1585	US-09-802-371-1	Sequence 1, Appl
2	1582.8	100.0	1585	US-10-785-135-1	Sequence 1, Appl
3	1017	64.3	1017	US-09-802-371-3	Sequence 3, Appl
4	1017	64.3	1017	US-10-785-135-3	Sequence 3, Appl
5	1006.8	63.6	410846	US-10-481-615-1	Sequence 1, Appl
6	646.6	40.9	2029	US-09-822-846-332	Sequence 332, App
7	516.6	32.6	529	US-10-475-075-601	Sequence 601, App
8	368.4	23.3	489	US-11-021-492-515	Sequence 515, App
9	355.6	22.5	562	US-09-969-034-951	Sequence 951, App
10	294	18.6	1555	US-09-884-490-25	Sequence 25, Appl
11	294	18.6	1555	US-09-884-490-25	Sequence 25, Appl
12	294	18.6	1555	US-09-884-490-25	Sequence 37, Appl
13	294	18.6	1555	US-09-884-490-25	Sequence 37, Appl
14	228.2	14.4	995	US-10-106-698-1661	Sequence 1661, App
15	217	13.7	218	US-10-242-535A-37272	Sequence 37272, A
16	217	13.7	218	US-10-085-783A-37272	Sequence 37272, A
17	182.4	11.5	386	US-10-357-930-21664	Sequence 21664, A

18	182.4	11.5	386	US-10-357-930-22703	Sequence 22703, A
19	182.4	11.5	386	US-10-357-930-27508	Sequence 27508, A
20	182.4	11.5	386	US-10-357-930-28548	Sequence 28548, A
21	182.4	11.5	390	US-10-357-930-11768	Sequence 11768, A
22	182.4	11.5	393	US-10-357-930-13342	Sequence 13342, A
23	182.4	11.5	399	US-10-357-930-34487	Sequence 34487, A
24	182.4	11.5	432	US-10-357-930-32940	Sequence 32940, A
25	182.4	11.5	432	US-10-357-930-41866	Sequence 41866, A
26	182.4	11.5	432	US-10-357-930-43346	Sequence 43346, A
27	173.2	10.9	367	US-10-357-930-4173	Sequence 4173, Ap
28	170.4	10.8	434	US-10-357-930-2599	Sequence 2599, Ap
29	95.8	6.1	85571	US-10-719-993-6778	Sequence 6778, Ap
30	94.8	6.0	641	US-10-301-480-53453	Sequence 53453, Ap
31	94.8	6.0	641	US-10-301-480-1147562	Sequence 1147562, Ap
32	94.8	6.0	997	US-10-301-480-547122	Sequence 547122, Ap
33	94.8	6.0	997	US-10-301-480-1160531	Sequence 1160531, Ap
34	94.6	6.0	24810	US-10-367-094-145	Sequence 145, App
35	94	5.9	550	US-10-301-480-531367	Sequence 531367, Ap
36	94	5.9	550	US-10-301-480-1144776	Sequence 1144776, Ap
37	94	5.9	634	US-09-925-065A-819261	Sequence 819261, Ap
38	94	5.9	634	US-09-925-065A-819261	Sequence 819261, Ap
39	93.6	5.9	543	US-09-925-065A-55249	Sequence 55249, A
40	93.6	5.9	543	US-09-925-065A-55249	Sequence 55249, A
41	93.6	5.9	543	US-10-301-480-156487	Sequence 156487, A
42	93.6	5.9	543	US-10-301-480-156487	Sequence 156487, A
43	93.6	5.9	821	US-10-027-632-168343	Sequence 168343, A
44	93.6	5.9	821	US-10-027-632-168343	Sequence 168343, A
45	93.6	5.9	57013	US-10-087-192-1798	Sequence 1798, Ap

#### ALIGNMENTS

RESULT 1  
US-09-802-371-1  
Sequence 1, Application US/09802371  
Patent No. US2001003649A1  
GENERAL INFORMATION:  
APPLICANT: Meyers, Rachel  
TITLE OF INVENTION: 26934, A No. US2001003649A1 Cytidine Deaminase-Like  
FILE REFERENCE: 35800/21921  
CURRENT APPLICATION NUMBER: US/09/802,371  
PRIORITY FILING DATE: 2001-03-09  
PRIOR APPLICATION NUMBER: 60/188,294  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1  
LENGTH: 1585  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (149)...(1165)  
NAME/KEY: misc\_feature  
LOCATION: (1)...(1585)  
OTHER INFORMATION: n = A,T,C or G  
US-09-802-371-1

Query Match	100.0%	Score 1582.8	DB 3	Length 1585
Best Local Similarity	100.0%	Pred. No. 0		
Matches 1584	Conservative	0	Mismatches	0
			Indels	0
			Gaps	0
QY	2	GGGCGAAGCTTGAAGGCGTCACTGGCTGAGCGGCGCTTGAAGTGGCTTGAAGTGGCTG	61	
DB	2	GGGCGAAGCTTGAAGGCGTCACTGGCTGAGCGGCGCTTGAAGTGGCTTGAAGTGGCTG	61	
QY	62	AGAGAGGTGAAGAGCGGCGGCGCTAGGCGCGAGATCATGTCTGACTGGAGAGGTTTCC	121	
DB	62	AGAGAGGTGAAGAGCGGCGGCGCTAGGCGCGAGATCATGTCTGACTGGAGAGGTTTCC	121	

QY 122 TTGGCAGCAGAGGACGCTAGGTTTGGGANTGAAAGACCTGGGAGATGCAGAAATCTGGAG 181  
DB 122 TTGGCAGCAGAGGACGCTAGGTTTGGGANTGAAAGACCTGGGAGATGCAGAAATCTGGAG 181  
QY 182 AGGCGCAGGCGCGGCGGTCACTGACGACCCGACGATGACCGGTCAAGTACCA 241  
DB 182 AGGCGCAGGCGCGGCGGTCACTGACGACCCGACGATGACCGGTCAAGTACCA 241  
QY 242 AGGCTTCTAAAGCAACCTTTCACTCTGCTCAGGCTCGAGTGAAGCTCTTCCAGCA 301  
DB 242 AGGCTTCTAAAGCAACCTTTCACTCTGCTCAGGCTCGAGTGAAGCTCTTCCAGCA 301  
QY 302 GAAGCCAGCGGCAAAATCTCAGAAAATGAAAGAGGAAAGATGAGACCTTAGAGAT 361  
DB 302 GAAGCCAGCGGCAAAATCTCAGAAAATGAAAGAGGAAAGATGAGACCTTAGAGAT 361  
QY 362 AATGAGAGAGGACGAGAGTATCTGACAGAAAGACAGTTAAAGAACTGGCTTTG 421  
DB 362 AATGAGAGAGGACGAGAGTATCTGACAGAAAGACAGTTAAAGAACTGGCTTTG 421  
QY 422 GTGGTGAAGAAATGTTGGTCTCACTGTTCTAGTGAAGATTTACATGCGCGG 481  
DB 422 GTGGTGAAGAAATGTTGGTCTCACTGTTCTAGTGAAGATTTACATGCGCGG 481  
QY 482 CAGATTGCTTTATTAACAATGGGTCAGGCTGAAAACTGTATCTTTATTTTCCAG 541  
DB 482 CAGATTGCTTTATTAACAATGGGTCAGGCTGAAAACTGTATCTTTATTTTCCAG 541  
QY 542 AAACCATGTTCTGTTTGTGAAAAATGATGTAAATCTGAGATTAACCAATTTCAATC 601  
DB 542 AAACCATGTTCTGTTTGTGAAAAATGATGTAAATCTGAGATTAACCAATTTCAATC 601  
QY 602 TGCGCTGCTGATCAGAAATTAAGTTTCTACGAGGCTCTAGTCTGAGATGAGAAAG 661  
DB 602 TGCGCTGCTGATCAGAAATTAAGTTTCTACGAGGCTCTAGTCTGAGATGAGAAAG 661  
QY 662 TTGATGTCAGAGCAGTGAAGATGGAATGAAAGTGAAGTGGGCGGACGTGTGCTTA 721  
DB 662 TTGATGTCAGAGCAGTGAAGATGGAATGAAAGTGAAGTGGGCGGACGTGTGCTTA 721  
QY 722 CTTCACCTTTGGTGTATATGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 781  
DB 722 CTTCACCTTTGGTGTATATGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 781  
QY 782 TTATTTCAAAAAATTAACAAAAATGAGCGGATGCTACACTGATTTATTAATGATG 841  
DB 782 TTATTTCAAAAAATTAACAAAAATGAGCGGATGCTACACTGATTTATTAATGATG 841  
QY 842 AAACAGAAAGAAATTAAGAAATGAAATGTAATTTTGGTTTCAATGAAAGATGAT 901  
DB 842 AAACAGAAAGAAATTAAGAAATGAAATGTAATTTTGGTTTCAATGAAAGATGAT 901  
QY 902 AAGCAATTAAGTAACTAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 961  
DB 902 AAGCAATTAAGTAACTAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 961  
QY 962 CTAAGGCAAAATGAAAGACTTATCTACTTTTGGCAAGTGAAGTTCAGATGCGG 1021  
DB 962 CTAAGGCAAAATGAAAGACTTATCTACTTTTGGCAAGTGAAGTTCAGATGCGG 1021  
QY 1022 AACTTTAAACATTCGATTTTAAACCGTAGCAATTCAGACAGATTAATGAATTCACAT 1081  
DB 1022 AACTTTAAACATTCGATTTTAAACCGTAGCAATTCAGACAGATTAATGAATTCACAT 1081  
QY 1082 CAAAGTTGGCAGAGAAATTTGCAAGGCACTGCAATGTTGAGGCGGTTATGGCATAT 1141  
DB 1082 CAAAGTTGGCAGAGAAATTTGCAAGGCACTGCAATGTTGAGGCGGTTATGGCATAT 1141  
QY 1142 CGAAGCTGTAGTACATAGATGTAATTTGGGCTGATTTGGTGTGTATTTGTCTC 1201  
DB 1142 CGAAGCTGTAGTACATAGATGTAATTTGGGCTGATTTGGTGTGTATTTGTCTC 1201  
QY 1202 TGAAGTGTGCTCTCATTTATGATGAGTTCATTTACTCATTTACTTAAGTTTGTCTG 1261

DB 1202 TGAAGTGTGCTCTCATTTATGATGAGTTCATTTACTCATTTACTTAAGTTTGTCTG 1261  
QY 1262 TTCAATCAATATAGAGAGTATAGTGAAGCCCTTGAATGAGCAACTCTTCTCCAGAGT 1321  
DB 1262 TTCAATCAATATAGAGAGTATAGTGAAGCCCTTGAATGAGCAACTCTTCTCCAGAGT 1321  
QY 1322 TTGGGATTCCTTTGAGCTTATATTTCAATCAATTTCAATCAATCAATCAATCAAT 1381  
DB 1322 TTGGGATTCCTTTGAGCTTATATTTCAATCAATTTCAATCAATCAATCAATCAAT 1381  
QY 1382 CTAAGCCCTTCTTCTGCTTCTTCTTATATTTCAATCAATTTCAATCAATTTCAAT 1441  
DB 1382 CTAAGCCCTTCTTCTGCTTCTTCTTATATTTCAATCAATTTCAATCAATTTCAAT 1441  
QY 1442 AAGGTAGGCAAG 1501  
DB 1442 AAGGTAGGCAAG 1501  
QY 1502 CACTTTAGAGGCTGADACAGAGAGATCGCTTGAAGTCAAGAGTTCAAGACGAGTGG 1561  
DB 1502 CACTTTAGAGGCTGADACAGAGAGATCGCTTGAAGTCAAGAGTTCAAGACGAGTGG 1561  
QY 1562 CAACATAGCAAGACCTCCACTTA 1585  
DB 1562 CAACATAGCAAGACCTCCACTTA 1585

## RESULT 2

US-10-785-135-1

; Sequence 1, Application US/10785135

; Publication No. US20040142375A1

; GENERAL INFORMATION:

; APPLICANT: Meyers, Rachel

; TITLE OF INVENTION: 26934, A Novel Cytidine Deaminase-Like

; FILE REFERENCE: 35800/213921

; CURRENT FILING DATE: 2004-02-24

; PRIOR APPLICATION NUMBER: US/09/802,371

; PRIOR FILING DATE: 2001-03-09

; PRIOR APPLICATION NUMBER: 60/188,294

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 1585

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (149)...(1165)

; FEATURE:

; NAME/KEY: misc\_feature

; LOCATION: (1)...(1585)

; OTHER INFORMATION: n = A,T,C or G

US-10-785-135-1

Query Match 100.0%; Score 1582.8; DB 8; Length 1585;

Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

Matches 1584; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 GCGGTCAAGCTTGAAGCGTCACTGCTGCGCTGAGTGGCGGCTTACAGTTGCTG 61  
DB 2 GCGGTCAAGCTTGAAGCGTCACTGCTGCGCTGAGTGGCGGCTTACAGTTGCTG 61  
QY 62 AGAGAGGTGAGAGCGCGGCGGCTGAGGCGGAGATCATGTCTGACTGGAGAGGTTTCC 121  
DB 62 AGAGAGGTGAGAGCGCGGCGGCTGAGGCGGAGATCATGTCTGACTGGAGAGGTTTCC 121  
QY 122 TTGGCAGCAGAGGAGCTTATGATGAGTGAAGAGGCTGGGCAATGATCTGGAG 181  
DB 122 TTGGCAGCAGAGGAGCTTATGATGAGTGAAGAGGCTGGGCAATGATCTGGAG 181

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Db      122 TTGGCAGCAGAGACGCTAGGTTGGGATGAAAGAGCTGGCAGATGCAAAATCTGGAG 181
Qy      182 AGCGCAGAGGCGCGGCGCTCAGTCAGCAGCAGCAGCTGGCAGCATGACCGGTGAGATACCA 241
Db      182 AGCGCAGAGGCGCGGCGCTCAGTCAGCAGCAGCAGCTGGCAGCATGACCGGTGAGATACCA 241
Qy      242 AGGCTTTCTTAATCAACCTTTTCACTCTCTCAGCCTCTGAGTGAAGCTCTTTCCAGCA 301
Db      242 AGGCTTTCTTAATCAACCTTTTCACTCTCTCAGCCTCTGAGTGAAGCTCTTTCCAGCA 301
Qy      302 GAAGCCAGGCGGCAAAATCTCAGAAAATGAAGAAGGAAAGCATGAGACCTTAGAGAT 361
Db      302 GAAGCCAGGCGGCAAAATCTCAGAAAATGAAGAAGGAAAGCATGAGACCTTAGAGAT 361
Qy      362 AATGAAGAGAGACAGAGATCTACTGACAAAAGACAGGTAAAGAGAACTGGTCTTGTG 421
Db      362 AATGAAGAGAGACAGAGATCTACTGACAAAAGACAGGTAAAGAGAACTGGTCTTGTG 421
Qy      422 GTGGTGAAGAAACATGAAATTTGGTGTCTCCACTCTCTGTAAGATTTACATGCCGGG 481
Db      422 GTGGTGAAGAAACATGAAATTTGGTGTCTCCACTCTCTGTAAGATTTACATGCCGGG 481
Qy      482 CAGATTCCTTTTAAACAATGGGTCAAGGCTGAAAAAAGTGTATCTTTTTCAGA 541
Db      482 CAGATTCCTTTTAAACAATGGGTCAAGGCTGAAAAAAGTGTATCTTTTTCAGA 541
Qy      542 AAACCAATGTTCTGCTGTTGAAATATGTAATGTAATGCTGAGTTAACCAATTTCTATAC 601
Db      542 AAACCAATGTTCTGCTGTTGAAATATGTAATGTAATGCTGAGTTAACCAATTTCTATAC 601
Qy      602 TGGCTGCTGATCAGAAATTAAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAG 661
Db      602 TGGCTGCTGATCAGAAATTAAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAG 661
Qy      662 TTGATGCGCCAAACAGTGGAAAGATGTAAGTCAACAGTGGGCGCAATGCTGTCTTA 721
Db      662 TTGATGCGCCAAACAGTGGAAAGATGTAAGTCAACAGTGGGCGCAATGCTGTCTTA 721
Qy      722 CTTCACCTTTGGTGTGTATATATGTCAGTGTGTAGAGAGACCTTTTCAAAATGTAC 781
Db      722 CTTCACCTTTGGTGTGTATATATGTCAGTGTGTAGAGAGACCTTTTCAAAATGTAC 781
Qy      782 TTTATTCAAAAATTAACAAAAACCTTCCGATGCTACACCTGATTTATATGATGT 841
Db      782 TTTATTCAAAAATTAACAAAAACCTTCCGATGCTACACCTGATTTATATGATGT 841
Qy      842 AAACCAAGAAATTAAGAAATGAATGTAATTTTGTGTTCAATGAAGAATGCAT 901
Db      842 AAACCAAGAAATTAAGAAATGAATGTAATTTTGTGTTCAATGAAGAATGCAT 901
Qy      902 AAGCAATATCTGATGATATAGTTTGGAGAACCTGTGTAAAAATCCATCTTACAT 961
Db      902 AAGCAATATCTGATGATATAGTTTGGAGAACCTGTGTAAAAATCCATCTTACAT 961
Qy      962 CTAAGCAAAACATGAAGAAGCTTATCTTATCTTTTGGCCACAGATGCTCCAGTGTCCG 1021
Db      962 CTAAGCAAAACATGAAGAAGCTTATCTTATCTTTTGGCCACAGATGCTCCAGTGTCCG 1021
Qy      1022 AACTTTAAACAATTCGATTTTACCCGATGCAATCCAGATGTAATGAATTTCAAT 1081
Db      1022 AACTTTAAACAATTCGATTTTACCCGATGCAATCCAGATGTAATGAATTTCAAT 1081
Qy      1082 CAAGATTTGCGACAGAAATTTGCAAGGACCTGCAATGCTTCAAGGCAAGGTATTTGCAAT 1141
Db      1082 CAAGATTTGCGACAGAAATTTGCAAGGACCTGCAATGCTTCAAGGCAAGGTATTTGCAAT 1141
Qy      1142 CGAATGCTGTATCAATGATATGTAATTTGGGCTGATTTGGTGTATTTGTCTC 1201
Db      1142 CGAATGCTGTATCAATGATATGTAATTTGGGCTGATTTGGTGTATTTGTCTC 1201
Qy      1202 TGAAGTGTGTCTCAATTTATGTAAGTCTATTAATCAATGATTTAATGATTTGCTG 1261
Db      1202 TGAAGTGTGTCTCAATTTATGTAAGTCTATTAATCAATGATTTAATGATTTGCTG 1261

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Qy      1262 TTCATACAAATATAGAGAAATTTAGTAGAACCTTGTAGTAGAACAACTCTTCTCCAGAGT 1321
Db      1262 TTCATACAAATATAGAGAAATTTAGTAGAACCTTGTAGTAGAACAACTCTTCTCCAGAGT 1321
Qy      1322 TTTGGGATTCCTTTGATAGCTTATATTCAGTACACATTTCTACATGAGGCTCATTAAT 1381
Db      1322 TTTGGGATTCCTTTGATAGCTTATATTCAGTACACATTTCTACATGAGGCTCATTAAT 1381
Qy      1382 CTAGGCTCTTCTTCTGCTTCTTGTCTTGTATGATTTCACTGATCTTGAAGCTTCACTA 1441
Db      1382 CTAGGCTCTTCTTCTGCTTCTTGTCTTGTATGATTTCACTGATCTTGAAGCTTCACTA 1441
Qy      1442 AAGTATGACCAAGAGAGAAAGAGAGGCGGCAAGGAGGTTATGACCTGTAATTCGA 1501
Db      1442 AAGTATGACCAAGAGAGAAAGAGAGGCGGCAAGGAGGTTATGACCTGTAATTCGA 1501
Qy      1502 CACTTTAGAAAGCTGADACAGAGAGATCGCTTGAAGCTCAGAGTTCAAGCCAGCGTGG 1561
Db      1502 CACTTTAGAAAGCTGADACAGAGAGATCGCTTGAAGCTCAGAGTTCAAGCCAGCGTGG 1561
Qy      1562 CAACATAGCAGAGACCTGACTCTA 1585
Db      1562 CAACATAGCAGAGACCTGACTCTA 1585

RESULT 3
US-09-802-371-3
; Sequence 3, Application US/09802371
; Patent No. US2001003649A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Rudolph-Owen, Laura
; TITLE OF INVENTION: 26934, A No. US2001003649A1 Cyclicidine Deaminase-Like
; FILE REFERENCE: 35800/213921
; CURRENT APPLICATION NUMBER: US/09/802,371
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/188,294
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1017
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-802-371-3

Query Match      64.3%; Score 1017; DB 3; Length 1017;
Best Local Similarity 100.0%; Pred. No. 2.3e-260; Indels 0; Gaps 0;
Matches 1017; Conservative 0; Mismatches 0;

Qy      149 ATGAAGAAGCTGGGCAATGCAAAATCTGAGAGCGCGAGGCGCGGCTCAGTCAGC 208
Db      149 ATGAAGAAGCTGGGCAATGCAAAATCTGAGAGCGCGAGGCGCGGCTCAGTCAGC 208
Qy      149 ATGAAGAAGCTGGGCAATGCAAAATCTGAGAGCGCGAGGCGCGGCTCAGTCAGC 208
Db      149 ATGAAGAAGCTGGGCAATGCAAAATCTGAGAGCGCGAGGCGCGGCTCAGTCAGC 208
Qy      209 ACCGACACTGGGACATGACCGGTCAGATACCAAGGCTTTCTAAATCACTTTTCACT 268
Db      209 ACCGACACTGGGACATGACCGGTCAGATACCAAGGCTTTCTAAATCACTTTTCACT 268
Qy      269 CTGCTCAGGCTTGTGATGAGTCTTTTCCAGAGAAAGCCAGGCGGCAAAATCTCAGAAA 328
Db      269 CTGCTCAGGCTTGTGATGAGTCTTTTCCAGAGAAAGCCAGGCGGCAAAATCTCAGAAA 328
Qy      329 AATGAAGAGAGAAAGATGACCTTTAGAGATTAATGAAGAGAGACAGAGATCTACT 388
Db      329 AATGAAGAGAGAAAGATGACCTTTAGAGATTAATGAAGAGAGACAGAGATCTACT 388
Qy      389 GACAAAAGACAGTAAAGAACTGGTCTTGTGTGTGTAAGAAACATGAATAATTTGTGT 448
Db      389 GACAAAAGACAGTAAAGAACTGGTCTTGTGTGTGTAAGAAACATGAATAATTTGTGT 448
Qy      449 CTCACACTGTTCTAGTGAAGATTTACATGCCGGGCAAGATTGCTCTTATTAACATGGGTCA 508
Db      449 CTCACACTGTTCTAGTGAAGATTTACATGCCGGGCAAGATTGCTCTTATTAACATGGGTCA 508

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QY 560 TTGAAAAATGATGTAATGCTGAGTTCACGAATTCATATCTGCGCTGATCCAGAA 619  
DB 61 TTGAAAAATGATGTAATGCTGAGTTCACGAATTCATATCTGCGCTGATCCAGAA 120  
QY 620 ATAAAGTTGCTTACGAGGCTTTAGTTCGAAAGATGCAAGTTAGTCCAAAGCAGTG 619  
DB 121 ATAAAGTTGCTTACGAGGCTTTAGTTCGAAAGATGCAAGTTAGTCCAAAGCAGTG 180  
QY 680 GAAAGATGTAAGCAACAGTCCGAGCCCATGTGTGCTTACTTCAACCTTTGGTGTG 729  
DB 181 GAAAGATGTAAGCAACAGTCCGAGCCCATGTGTGCTTACTTCAACCTTTGGTGTG 240  
QY 740 TATATGCTGAGTTCGAGAGAGACCTCTTCAAAATGATGCTTATTCAAAAATTA 799  
DB 241 TATATGCTGAGTTCGAGAGAGACCTCTTCAAAATGATGCTTATTCAAAAATTA 300  
QY 800 AAAACATGCGGAGTGTCAACCTGACTTTTATGATGATGAAACAAAGAAATPAAA 859  
DB 301 AAAACATGCGGAGTGTCAACCTGACTTTTATGATGATGAAACAAAGAAATPAAA 360  
QY 860 GAATATGAAATGTTATTTTGGTTTCAATGAAAGAAATGATAGCAAAATGATGACT 919  
DB 361 GAATATGAAATGTTATTTTGGTTTCAATGAAAGAAATGATAGCAAAATGATGACT 420  
QY 920 ATAGTTTGGAGAACCTGTGTGAAAAATCCATCTTATGCAATCTTAAAGCAAAATGAAA 979  
DB 421 ATAGTTTGGAGAACCTGTGTGAAAAATCCATCTTATGCAATCTTAAAGCAAAATGAAA 480  
QY 980 GACCTTATCTTACTTTTGGGCAACATGATGCTTCCAGTGTGCGCAACTTTAAACCTTCGA 1039  
DB 481 GACCTTATCTTACTTTTGGGCAACATGATGCTTCCAGTGTGCGCAACTTTAAACCTTCGA 540  
QY 1040 TTTTACCGTGCATCCAGAACAGATTAATGAAATTCACATCAAAATTTGCGACAGAAA 1099  
DB 541 TTTTACCGTGCATCCAGAACAGATTAATGAAATTCACATCAAAATTTGCGACAGAAA 600  
QY 1100 ATTGCAAGGCACTGATGTTTCAGGCGCAGGTTATGCGATATGAACTGTGTA 1152  
DB 601 ATTGCAAGGCACTGATGTTTCAGGCGCAGGTTATGCGATATGAACTGTGTA 653

RESULT 7  
US-10-475-075-601  
; Sequence 601, Application US/10475075  
; Publication No. US20060053498A1  
; GENERAL INFORMATION:  
; APPLICANT: Bejani, Stephanie  
; APPLICANT: Tanaka, Hiroaki  
; APPLICANT: Dumas Maline Edwards, Jean-Baptiste  
; APPLICANT: Jober, Severin  
; APPLICANT: Giordano, Jean-Yves  
; TITLE OF INVENTION: Full-length human cDNAs encoding potentially secreted proteins  
; FILE REFERENCE: G-081US03PCT  
; CURRENT APPLICATION NUMBER: US/10/475, 075  
; CURRENT FILING DATE: 2003-10-17  
; PRIOR APPLICATION NUMBER: PCT/IB01/00914  
; PRIOR FILING DATE: 2001-04-18  
; NUMBER OF SEQ ID NOS: 918  
; SOFTWARE: Patent .pm  
; SEQ ID NO 601  
; LENGTH: 529  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; NAME/KEY: CDS  
; LOCATION: 124..528  
; FEATURE:  
; NAME/KEY: Unsure  
; LOCATION: 145..147  
; OTHER INFORMATION: Xaa = Gln or Glu  
; FEATURE:  
; NAME/KEY: Unsure

LOCATION: 310..312  
; OTHER INFORMATION: Xaa = Gln or Gly  
; FEATURE:  
; NAME/KEY: Unsure  
; LOCATION: 520..522  
; OTHER INFORMATION: Xaa = His or Pro  
US-10-475-075-601

Query Match 32.6%; Score 516.6; DB 11; Length 529;  
Best Local Similarity 99.0%; Pred. No. 6,9e-127;  
Matches 516; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 26 GGCTGGCCTTATGCGCGCTTCCCTTACGTTGCTGAGAGAGTGAAGGCGCGGGCGC 85  
DB 1 GGCTGGCCTTATGCGCGCTTCCCTTACGTTGCTGAGAGAGTGAAGGCGCGGGCGC 60  
QY 86 TAGGGCCGAGATCATGTCTGACTGAGAGAGGTTCTTCCGACAGAGAGCGTAACTT 145  
DB 61 TAGGGCCGAGATCATGTCTGACTGAGAGAGGTTCTTCCGACAGAGAGCGTAACTT 120  
QY 146 GGGATGAAAGAACTGCGGAGATGCAAAATCTGAGAGCGCGAGGCGCGGCTCAGTC 205  
DB 121 GGGATGAAAGAACTGCGGAGATGCAAAATCTGAGAGCGCGAGGCGCGGCTCAGTC 180  
QY 206 AGCACCAGACTGCGAGATGACCGGTCAAGATACCAAGGCTTTCTTAAATCAACTTTC 265  
DB 181 AGCACCAGACTGCGAGATGACCGGTCAAGATACCAAGGCTTTCTTAAATCAACTTTC 240  
QY 266 ACTGTGCTCAGGCTCTGAGTGAAGGCTTTCCAGAGAAAGCCGAGGCAAAATCTCAG 325  
DB 241 ACTGTGCTCAGGCTCTGAGTGAAGGCTTTCCAGAGAAAGCCGAGGCAAAATCTCAG 300  
QY 326 AAAAAATGAAAGGAAAGCAGTGAACCTTTAGAGATATGAAAGAGACCAAGATATCT 385  
DB 301 AAAAAATGAAAGGAAAGCAGTGAACCTTTAGAGATATGAAAGAGACCAAGATATCT 360  
QY 386 ACTGACAAAAGCAGTGAAGGAACTGCTCTTGTGTGTGTGTAAGAAACATGAAATGTT 445  
DB 361 ACTGACAAAAGCAGTGAAGGAACTGCTCTTGTGTGTGTGTAAGAAACATGAAATGTT 420  
QY 446 GGTCTCCACTGTTCTAGTGAAGATTTACATGCGGCGAGATGCTTTTAAACATGCG 505  
DB 421 GGTCTCCACTGTTCTAGTGAAGATTTACATGCGGCGAGATGCTTTTAAACATGCG 480  
QY 506 TCAAGGCTGAAAAACTGTGATCTTTATTTTCCAGAAAAAC 546  
DB 481 TCAAGGCTGAAAAACTGTGATCTTTATTTTCCAGAAAAAC 521

RESULT 8  
US-11-021-492-515  
; Sequence 515, Application US/11021492  
; Publication No. US20060031947A1  
; GENERAL INFORMATION:  
; APPLICANT: Abuin, Alejandro  
; APPLICANT: Zambrzewicz, Brian  
; APPLICANT: Sands, Arthur T.  
; TITLE OF INVENTION: Novel Mutated Mammalian Cells and  
; FILE REFERENCE: LEX-0368-USA  
; CURRENT APPLICATION NUMBER: US/11/021,492  
; CURRENT FILING DATE: 2004-12-23  
; PRIOR APPLICATION NUMBER: US 60/307,670  
; PRIOR FILING DATE: 2001-07-25  
; NUMBER OF SEQ ID NOS: 698  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 515  
; LENGTH: 489  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; NAME/KEY: misc feature  
; LOCATION: 183..206



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PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,930
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 25
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (1248)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1389)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1391)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1393)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (1396)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE

; LOCATION: (2551)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-983-802-25
Query Match 18.6%; Score 294; DB 3; Length 1555;
Beet Local Similarity 95.2%; Pred. No. 3.6e-67;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
QY 560 TTGAATGATGATTAATGCTGAGATTACCGAATTTGATCTGCGCTGATCCAGAA 619
DB 1209 TTTTAAATGATGAGAGCTGAGATGAAACCAATTTGATCTGATCCAGAA 1268
QY 620 ATAAATTTGCTTACGAGGCTTTCTAGTTCTGAAGATGAAAGTTAGATGCCAAGCACTG 679
DB 1269 ATAAATTTGCTTACGAGGCTTTCTAGTTCTGAAGATGAAAGTTAGATGCCAAGCACTG 1328
QY 680 GAAATTTGAGTCAAAACAGTGGGCGCATGTGTCTTACTTCAACCTTTGTGTGT 739
DB 1329 GAAATTTGAGTCAAAACAGTGGGCGCATGTGTCTTACTTCAACCTTTGTGTGT 1388
QY 740 TATATGTCAGTTTGTAGAGAGACCTTTACAAATGTACTTTATTCAAAAATTAACA 799
DB 1389 NANNNGGAGAGTTTGTAGAGAGACCTTTACAAATGTACTTTATTCAAAAATTAACA 1448
QY 800 AAAACATTTGCCGATGCTTAACACTGCTTTATTTATGAATTTAAACAGAAATTAATA 859
DB 1449 AAAACATTTGCCGATGCTTAACACTGCTTTATTTATGAATTTAAACAGAAATTAATA 1508
QY 860 GAATATGAATGTTA 874
DB 1509 GAATATGAATGTTA 1523

RESULT 11
US-09-984-490-25
; Sequence 25, Application US/09984490
; Publication No. US2003064412A1
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P1
; CURRENT APPLICATION NUMBER: US/09/984,490
; CURRENT FILING DATE: 2001-10-30
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/227,357
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/US98/13684
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,926
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,793
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
NUMBER OF SEQ ID NOS: 672  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 25  
LENGTH: 1555  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (1248)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (1389)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (1391)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (1393)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (1396)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (1551)  
OTHER INFORMATION: n equals a,t,g, or c  
US-09-984-490-25

Query Match 18.6%; Score 294; DB 3; Length 1555;

Best Local Similarity 95.2%; Pred. No. 3.6e-67;

Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 560 TTGAATGATGTAATGCTGAGATTAAACGAATTCATCTGCGCTGATCCAGA 619  
DB 1209 TTTTATGATGGAAGAGCTGAGGACCAATTCATGCGCTGATCCAGA 1268

QY 620 ATAACTTGCTTAACGAGGCTTCTAGTCTGAAGATGCAAAAGTAAAGCAAGCAGTG 679  
DB 1269 ATAACTTGCTTAACGAGGCTTCTAGTCTGAAGATGCAAAAGTAAAGCAAGCAGTG 1328  
QY 680 GAAATGGAAGTCAAAAGTGGGCCATGTGTGCTTCAACCTTGTGTGT 739  
DB 1329 GAAATGGAAGTCAAAAGTGGGCCATGTGTGCTTCAACCTTGTGTGT 1388  
QY 740 TATATGTCAGTTTGTGAGAGACCTCTTAACAATGTACTTATTCAAAAATTA 799  
DB 1389 NANNANGGACGTTTGTAGAGAGACCTCTTAACAATGTACTTATTCAAAAATTA 1448  
QY 800 AAAAATGCGGAGCTTAACCTTATTTATTAATGAATGAACGAAGAATTA 859  
DB 1449 AAAAATGCGGAGCTTAACCTTATTTATTAATGAATGAACGAAGAATTA 1508  
QY 860 GAATATGAATGTTA 874  
DB 1509 GAATATGAATGTTA 1523

## RESULT 12

US-09-973-278-37

Sequence 37, Application US/09973278

Publication No. US20040044191A1

GENERAL INFORMATION:

APPLICANT: Fischer et al.

TITLE OF INVENTION: 123 Human Secreted Proteins

FILE REFERENCE: P2010P2

CURRENT APPLICATION NUMBER: US/09/973,278

CURRENT FILING DATE: 2001-10-10

PRIOR APPLICATION NUMBER: 60/239,899

PRIOR FILING DATE: 2000-10-13

PRIOR APPLICATION NUMBER: 09/227,357

PRIOR FILING DATE: 1999-01-08

PRIOR APPLICATION NUMBER: PCT/US98/13684

PRIOR FILING DATE: 1998-07-07

PRIOR APPLICATION NUMBER: 60/051,926

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/052,793

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,925

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,929

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/052,803

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/052,732

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,931

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,932

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,916

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,930

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,918

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,920

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/052,733

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/052,795

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,919

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/051,928

PRIOR FILING DATE: 1997-07-08

PRIOR APPLICATION NUMBER: 60/055,722

PRIOR FILING DATE: 1997-08-18

PRIOR APPLICATION NUMBER: 60/055,723

PRIOR FILING DATE: 1997-08-18

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PRIOR APPLICATION NUMBER: 60/055,948
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,949
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,953
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,950
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,947
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,964
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/056,360
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,684
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,984
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/055,954
PRIOR FILING DATE: 1997-08-18
PRIOR APPLICATION NUMBER: 60/058,785
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,664
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,660
PRIOR FILING DATE: 1997-09-12
PRIOR APPLICATION NUMBER: 60/058,661
PRIOR FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 947
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 37
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1248)..(1248)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1389)..(1389)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1391)..(1391)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1393)..(1393)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1396)..(1396)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1551)..(1551)
OTHER INFORMATION: n equals a,t,g, or c
US-09-973-278-37

Query Match      18.6%; Score 294; DB 3; Length 1555;
Best Local Similarity 95.2%; Pred. No. 3.6e-67;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 560 TTGAAGATGATTTGAATGCTGAGATTAACCGAATTTCACTGCGCTGATCCAGAA 619
DB 1209 TTTTATGATGATGAGAGAGCTGAGATGAAACCGAATTTCACTGCGCTGATCCAGAA 1268
QY 620 ATAAAGTTGCTTACGAGAGCTTCTAGTTCTGAAGATGCAAGTTAGTGCAGAGTG 679
DB 1269 ATAAAGTTGCTTACGAGAGCTTCTAGTTCTGAAGATGCAAGTTAGTGCAGAGTG 1328
QY 680 GAAAGATGAGTCAACCAAGTGGGCCCATGTGTGTCTTACTTCAACCTTTGTGTGT 739
DB 1329 GAAAGATGAGTCAACCAAGTGGGCCCATGTGTGTCTTACTTCAACCTTTGTGTGT 1388
QY 740 TAAATGTCAGATTGTGAGAGAGACCTTTCAACAATGTGACTTTATCAAAAATTACA 799
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DB 1389 NNANNGACACTTGTAGAGAGACCTCTTACAAATGTGACTTTATTCAAAAATTACA 1448
QY 800 AAAACATTGCCGATGCTTACACTGACTTTTATTAATGATGTAACAGAAAATTAATA 859
DB 1449 AAAACATTGCCGATGCTTACACTGACTTTTATTAATGATGTAACAGAAAATTAATA 1508
QY 860 GAATATGAATGTTA 874
DB 1509 GAATATGAATGTTA 1523

RESULT 13
US-10-472-533-83
Sequence 83, Application US/10472533
Publication No. US20050197285A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Human Secreted Proteins
FILE REFERENCE: PS906PCT
CURRENT APPLICATION NUMBER: US/10/472,533
CURRENT FILING DATE: 2003-09-20
PRIOR APPLICATION NUMBER: US 60/331,287
PRIOR FILING DATE: 2001-11-13
PRIOR APPLICATION NUMBER: US 60/306,171
PRIOR FILING DATE: 2001-07-19
PRIOR APPLICATION NUMBER: US 60/277,340
PRIOR FILING DATE: 2001-03-21
NUMBER OF SEQ ID NOS: 650
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 83
LENGTH: 1555
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1248)..(1248)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1389)..(1389)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1391)..(1391)
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OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc_feature
LOCATION: (1551)..(1551)
OTHER INFORMATION: n equals a,t,g, or c
US-10-472-533-83

Query Match      18.6%; Score 294; DB 10; Length 1555;
Best Local Similarity 95.2%; Pred. No. 3.6e-67;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 560 TTGAAGATGATTTGAATGCTGAGATTAACCGAATTTCACTGCGCTGATCCAGAA 619
DB 1209 TTTTATGATGATGAGAGAGCTGAGATGAAACCGAATTTCACTGCGCTGATCCAGAA 1268
QY 620 ATAAAGTTGCTTACGAGAGCTTCTAGTTCTGAAGATGCAAGTTAGTGCAGAGTG 679
DB 1269 ATAAAGTTGCTTACGAGAGCTTCTAGTTCTGAAGATGCAAGTTAGTGCAGAGTG 1328
QY 680 GAAAGATGAGTCAACCAAGTGGGCCCATGTGTGTCTTACTTCAACCTTTGTGTGT 739
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Db 1329 GAAGATTGAGTCAACAGTCGGGCCCATGTGTGTCTTACTTCAACCTTGTGTGT 1388  
 QY 740 TATATGTCAGTTTGTAGAGAGACCTTTACAAATGTGACTTTATTTCAAAAATTACA 799  
 Db 1389 NANANGGACGTTTGTAGAGAGACCTTTACAAATGTGACTTTATTTCAAAAATTACA 1448  
 QY 800 AAAACATTCGGGATGCTCAACAGTCACTTTATTTGAAATTAACAAAGAAATTAATA 859  
 Db 1449 AAAACATTCGGGATGCTCAACAGTCACTTTATTTGAAATTAACAAAGAAATTAATA 1508  
 QY 860 GAATATGAAATGTGA 874  
 Db 1509 GAATATGAAATGTGA 1523

RESULT 14  
 US-10-106-698-1661  
 ; Sequence 1661, Application US/10106698  
 ; Publication No. US20030109690A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ruben et al.  
 ; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide  
 ; FILE REFERENCE: P0005P1  
 ; CURRENT APPLICATION NUMBER: US/10/106,698  
 ; PRIOR APPLICATION NUMBER: PCT/US00/26524  
 ; PRIOR FILING DATE: 2000-09-28  
 ; PRIOR APPLICATION NUMBER: US 60/157,137  
 ; PRIOR FILING DATE: 1999-09-29  
 ; PRIOR APPLICATION NUMBER: US 60/163,280  
 ; PRIOR FILING DATE: 1999-11-03  
 ; NUMBER OF SEQ ID NOS: 8564  
 ; SOFTWARE: PatentIn Ver. 3.0  
 ; SEQ ID NO 1661  
 ; LENGTH: 995  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (919)..(919)  
 ; OTHER INFORMATION: n equals a,t,g, or c  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (987)..(987)  
 ; OTHER INFORMATION: n equals a,t,g, or c  
 ; US-10-106-698-1661

Query Match 14.4%; Score 228.2; DB 6; Length 995;  
 Best Local Similarity 88.3%; Pred. No. 1e-49;  
 Matches 248; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

QY 2 GCGGTCAAGCTTGAAGCGTCAATCTGCGCTGAGCGGCGCTTACAGTTGCTG 61  
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 QY 62 AGAGAGAGTGAAGAGCGGCGGCGCTTACAGCGGAGATCATGTCTACTGAGAGTTCC 121  
 Db 198 AGAGAGAGTGAAGAGCGGCGGCGCTTACAGCGGAGATCATGTCTACTGAGAGTTCC 257  
 QY 122 TTGGCAGCAGAGGAGCGCTAGGTTGGATGAAAGAGCTGGGCGAGATGCAAAATCTGGAG 181  
 Db 258 TTGGCAGCAGAGGAGCGCTAGGTTGGATGAAAGAGCTGGGCGAGATGCAAAATCTGGAG 317  
 QY 182 AGCGCGAGGCGCGGCGGCTAGTCAAGCACTGAGCTGGCAGCATGACCGGTCAAGTACA 241  
 Db 318 AGCGCGAGGCGCGGCGGCTAGTCAAGCACTGAGCTGGCAGCATGACCGGTGAGTCCG 377  
 QY 242 AGGTTTCTAAAGTCACTTTTCACTCTGCTGACCTCTG 282  
 Db 378 GGAACCTGCTCCCGCACCTTACCTTCTGCTGCTGCTG 418

RESULT 15  
 US-10-242-535A-37272

; Sequence 37272, Application US/10242535A  
 ; Publication No. US20040013663A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ChondroGene Inc.  
 ; APPLICANT: Lew, C.C.  
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis  
 ; FILE REFERENCE: 4231/2005  
 ; CURRENT APPLICATION NUMBER: US/10/242,535A  
 ; PRIOR FILING DATE: 2002-09-12  
 ; PRIOR APPLICATION NUMBER: US 10/085,783  
 ; PRIOR FILING DATE: 2002-02-28  
 ; PRIOR APPLICATION NUMBER: US 60/305,340  
 ; PRIOR FILING DATE: 2001-07-13  
 ; PRIOR APPLICATION NUMBER: US 60/275,017  
 ; PRIOR FILING DATE: 2001-03-12  
 ; PRIOR APPLICATION NUMBER: US 60/271,955  
 ; PRIOR FILING DATE: 2001-02-28  
 ; NUMBER OF SEQ ID NOS: 58994  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 37272  
 ; LENGTH: 218  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (20)..(20)  
 ; OTHER INFORMATION: n is a, c, g, or t  
 ; US-10-242-535A-37272

Query Match 13.7%; Score 217; DB 8; Length 218;  
 Best Local Similarity 99.5%; Pred. No. 4.2e-47;  
 Matches 217; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 656 GCAAGTGAATGCCAAGCAGTGAAGATGAGTCAACAGTGGGCCAATGTGTGT 715  
 Db 1 GCAAGTGAATGCCAAGCAGTGAAGATGAGTCAACAGTGGGCCAATGTGTGT 60  
 QY 716 GTTCTACTTCAACCTTGTGTGTATATGTCGCACTTTGTAGAGAGACCTCTTACAA 775  
 Db 61 GTTCTACTTCAACCTTGTGTGTATATGTCGCACTTTGTAGAGAGACCTCTTACAA 120  
 QY 776 TGTGACTTTATTAATAAATTAACAATACTTGGAGTGTCACTGACTTTATTTAT 835  
 Db 121 TGTGACTTTATTAATAAATTAACAATACTTGGAGTGTCACTGACTTTATTTAT 180  
 QY 836 GAATGTAAACAAGAAATTAATAAGATATGAATGTT 873  
 Db 181 GAATGTAAACAAGAAATTAATAAGATATGAATGTT 218

Search completed: September 20, 2006, 04:44:21  
 Job time : 2239.4 secs



GenCore version 5.1.9  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 20, 2006, 03:42:47; Search time 1435.6 Seconds  
(without alignments)  
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Title: US-10-785-135-3

Perfect score: 1017

Sequence: 1 atgaagaagctggcagatc.....ctgtgcttcatagatcg 1017

Scoring table: IDENTITY NUC

Gapop 10-0, Gapext 1.0

Searched: 18892170 seqs, 6143817638 residues 37784340

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Published Applications NA Main:

- 1: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*
- 2: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*
- 3: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*
- 4: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*
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- 8: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US10C\_PUBCOMB.seq:\*
- 9: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US10D\_PUBCOMB.seq:\*
- 10: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US10E\_PUBCOMB.seq:\*
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- 12: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US11\_PUBCOMB.seq:\*
- 13: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US11A\_PUBCOMB.seq:\*
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- 15: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US11C\_PUBCOMB.seq:\*
- 16: /EMC\_Celerra\_SIDS3/ptodata/2/pubpna/US11D\_PUBCOMB.seq:\*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	1017	100.0	US-09-802-371-3	Sequence 3, Appl1
2	1017	100.0	US-10-785-135-3	Sequence 1, Appl1
3	1017	100.0	US-09-802-371-1	Sequence 1, Appl1
4	1017	100.0	US-10-785-135-1	Sequence 1, Appl1
5	646.6	63.6	US-09-822-846-332	Sequence 332, Appl1
6	588	57.8	US-10-481-613-1	Sequence 1, Appl1
7	395.2	38.9	US-10-475-075-601	Sequence 601, App
8	368.4	36.2	US-11-021-492-515	Sequence 515, App
9	294	28.9	US-09-983-802-25	Sequence 25, Appl1
10	294	28.9	US-09-984-490-25	Sequence 25, Appl1
11	294	28.9	US-09-973-278-37	Sequence 37, Appl1
12	294	28.9	US-10-472-533-83	Sequence 83, Appl1
13	254	25.0	US-09-969-034-951	Sequence 951, Appl1
14	217	21.3	US-10-242-535A-37272	Sequence 37272, A
15	217	21.3	US-10-085-783A-37272	Sequence 37272, A
16	182.4	17.9	US-10-357-930-21664	Sequence 21664, A
17	182.4	17.9	US-10-357-930-22703	Sequence 22703, A

18	182.4	17.9	386	9	US-10-357-930-27508	Sequence 27508, A
19	182.4	17.9	386	9	US-10-357-930-28548	Sequence 28548, A
20	182.4	17.9	390	9	US-10-357-930-11768	Sequence 11768, A
21	182.4	17.9	393	9	US-10-357-930-11342	Sequence 11342, A
22	182.4	17.9	399	9	US-10-357-930-34487	Sequence 34487, A
23	182.4	17.9	432	9	US-10-357-930-32940	Sequence 32940, A
24	182.4	17.9	432	9	US-10-357-930-41866	Sequence 41866, A
25	182.4	17.9	432	9	US-10-357-930-43346	Sequence 43346, A
26	173.2	17.0	367	9	US-10-357-930-4173	Sequence 4173, Ap
27	171.8	16.9	995	6	US-10-106-698-1661	Sequence 1661, Ap
28	170.4	16.8	434	9	US-10-357-930-2599	Sequence 2599, Ap
29	94.8	9.3	997	12	US-10-301-480-547122	Sequence 547122, A
30	94.8	9.3	997	12	US-10-301-480-1160531	Sequence 1160531, A
31	72.4	7.1	436	3	US-09-918-995-28592	Sequence 28592, A
32	67	6.6	600	10	US-10-972-079-10228	Sequence 10228, A
33	67	6.6	600	10	US-10-972-079-10229	Sequence 10229, A
34	67	6.6	600	10	US-10-972-079-10230	Sequence 10230, A
35	48.2	4.7	1105	9	US-10-425-115-173590	Sequence 173590, A
36	48.2	4.7	3673778	7	US-10-312-841-1	Sequence 1, Appl1
37	44.2	4.3	6182	7	US-10-311-455-1987	Sequence 1987, Ap
38	43.8	4.3	231004	11	US-10-330-773-832	Sequence 832, App
39	43.6	4.3	3673778	7	US-10-312-841-1	Sequence 1, Appl1
40	43.4	4.3	398	9	US-10-425-115-64127	Sequence 64127, A
41	43	4.2	8979	7	US-10-311-455-758	Sequence 758, App
42	43	4.2	8979	8	US-10-221-613-138	Sequence 138, App
43	42.8	4.2	858	12	US-10-301-480-543026	Sequence 543026, A
44	42.8	4.2	858	12	US-10-301-480-1156435	Sequence 1156435, A
45	42.8	4.2	963	9	US-10-357-930-7680	Sequence 7680, Ap

#### ALIGNMENTS

RESULT 1  
US-09-802-371-3  
Sequence 3, Application US/09802371  
Patent No. US2001003649A1  
GENERAL INFORMATION:  
APPLICANT: Meyers, Rachel  
TITLE OF INVENTION: 26934, A No. US2001003649A1 Cytidine Deaminase-Like  
FILE REFERENCE: 35800/213921  
CURRENT FILING DATE: 2001-03-09  
PRIOR APPLICATION NUMBER: 60/188,294  
PRIOR FILING DATE: 2000-03-10  
NUMBER OF SEQ ID NOS: 4  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 1017  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-802-371-3

Query Match	100.0%	Score 1017;	DB 3;	Length 1017;
Best Local Similarity	100.0%	Pred. No. 4.5e-250;		
Matches 1017;	Conservative	0;	Mismatches 0;	Indels 0;
QY	1	ATGAAGAAGCTGGCAGATGCAAAATCTGAGAGCGGCGGCGTCACTCAAC	60	
DB	1	ATGAAGAAGCTGGCAGATGCAAAATCTGAGAGCGGCGGCGTCACTCAAC	60	
QY	61	ACCCAGACTGGCAGATGCAAAATCTGAGAGCGGCGGCGTCACTCAAC	120	
DB	61	ACCCAGACTGGCAGATGCAAAATCTGAGAGCGGCGGCGTCACTCAAC	120	
QY	121	CTGCTCAGCTTGGATGAGCTTTCCAGAGAGCCGCGGCGGCGTCACTCAAC	180	
DB	121	CTGCTCAGCTTGGATGAGCTTTCCAGAGAGCCGCGGCGGCGTCACTCAAC	180	
QY	181	AATGAAGAAGCTGGCAGATGCAAAATCTGAGAGCGGCGGCGTCACTCAAC	240	
DB	181	AATGAAGAAGCTGGCAGATGCAAAATCTGAGAGCGGCGGCGTCACTCAAC	240	

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Db      181 AATGAAAGGGAAGCATGGAACCTTAGAGATATGAAGAGAGCCAGAGTATCTACT 240
QY      241 GACAAAAGACAGGTAAAGAGAACTGGTCTGTGGTGTGAAAAACATGAAATTTGGT 300
Db      241 GACAAAAGACAGGTAAAGAGAACTGGTCTGTGGTGTGAAAAACATGAAATTTGGT 300
QY      301 CTCCTACTGTTTGTAGTAAGTATTAATGCGCGGAGATTGCTTATTAATCAATGGGTCA 360
Db      301 CTCCTACTGTTTGTAGTAAGTATTAATGCGCGGAGATTGCTTATTAATCAATGGGTCA 360
QY      361 AGGCTGAAAACTGTATCTTTATTTTTCAGAAAAACATGTCCTGTTTGAAGAAAG 420
Db      361 AGGCTGAAAACTGTATCTTTATTTTTCAGAAAAACATGTCCTGTTTGAAGAAAG 420
QY      421 ATTGTAATGCTGGAATTAACCGAATTTCTATCTGCTGATGACAGAAATTAAGTTG 480
Db      421 ATTGTAATGCTGGAATTAACCGAATTTCTATCTGCTGATGACAGAAATTAAGTTG 480
QY      481 CTTCAGAGGCTTCTAGTTCTGAAGATGCAGAAAGTTAGATGCAAGAGGAAAGATTG 540
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QY      541 AAGTCAACAGTGGGCGCATGTGTGTCTTACCTTCAACCTTGTGTATATGATG 600
Db      541 AAGTCAACAGTGGGCGCATGTGTGTCTTACCTTCAACCTTGTGTATATGATG 600
QY      601 CAGTTGTAGAGAGACCTCTTCAAAATGATGACTTATTCAAAAAATTCAAAAACATTG 660
Db      601 CAGTTGTAGAGAGACCTCTTCAAAATGATGACTTATTCAAAAAATTCAAAAACATTG 660
QY      661 CCGGATGCTPAACCTGACTTTTATTAATGAATGAATGAACAAAGAAATTAAGATATGA 720
Db      661 CCGGATGCTPAACCTGACTTTTATTAATGAATGAATGAACAAAGAAATTAAGATATGA 720
QY      721 AAGTTATTTTGGTTTCAAAATGAAGAAATGCAATCAAAATCTGATGCTATAGTTG 780
Db      721 AAGTTATTTTGGTTTCAAAATGAAGAAATGCAATCAAAATCTGATGCTATAGTTG 780
QY      781 GAGAACTGTGTGAAATCCATCTTATGCAATCTAAGGCAAAACATGAAAGCCTTATC 840
Db      781 GAGAACTGTGTGAAATCCATCTTATGCAATCTAAGGCAAAACATGAAAGCCTTATC 840
QY      841 CTACTTTTGGCCACAGTACCTTCCAGTGTGCGCACTTTAACAATTGCGATTTTACCGT 900
Db      841 CTACTTTTGGCCACAGTACCTTCCAGTGTGCGCACTTTAACAATTGCGATTTTACCGT 900
QY      901 AGCAATCCAGAACAGATTATGAATTCACAAATCAAAAGTTTGCACAGAAATTCAGAG 960
Db      901 AGCAATCCAGAACAGATTATGAATTCACAAATCAAAAGTTTGCACAGAAATTCAGAG 960
QY      961 CACTGATGCTTCAAGGCGCAGGTTTATGGCATATCGAATCGTGATGATTAATAGATCG 1017
Db      961 CACTGATGCTTCAAGGCGCAGGTTTATGGCATATCGAATCGTGATGATTAATAGATCG 1017

RESULT 2
US-10-785-135-3
; Sequence 3, Application US/10785135
; Publication No. US20040142375A1
; GENERAL INFORMATION:
; APPLICANT: Meyers, Rachel
; APPLICANT: Rudolph-Owen, Laura
; TITLE OF INVENTION: 26934, A Novel Cytidine Deaminase-Like
; FILE REFERENCE: 35800/213921
; CURRENT APPLICATION NUMBER: US/10/785,135
; PRIOR FILING DATE: 2004-02-24
; PRIOR APPLICATION NUMBER: US/09/802,371
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/188,294
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0

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; SEQ ID NO 3
; LENGTH: 1017
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-785-135-3

Query Match      100.0%; Score 1017; DB 8; Length 1017;
Best Local Similarity 100.0%; Pred. No. 4,56-250;
Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AATGAAGAGCGGCGAGTGCATTAATCTGAGAGCGGCGGCGGTCACTGACG 60
Db      1 AATGAAGAGCGGCGAGTGCATTAATCTGAGAGCGGCGGCGGTCACTGACG 60
QY      61 ACCGAGCTGGAGCATGACCGGTGAGATCCAGAGCTTTCTAAAGTCAACCTTTCACT 120
Db      61 ACCGAGCTGGAGCATGACCGGTGAGATCCAGAGCTTTCTAAAGTCAACCTTTCACT 120
QY      121 CTGCTGAGCTCTGGATGAGAGCTTTTCCAGAGAAAGCCAGCGGCAAAATCTCAGAA 180
Db      121 CTGCTGAGCTCTGGATGAGAGCTTTTCCAGAGAAAGCCAGCGGCAAAATCTCAGAA 180
QY      181 AATGAAGAGGGAAGAGCATGGAACCTTAGAGATTAATGAAGAGAGCCAGATATCTACT 240
Db      181 AATGAAGAGGGAAGAGCATGGAACCTTAGAGATTAATGAAGAGAGCCAGATATCTACT 240
QY      241 GACAAAAGACAGGTAAAGAGAACTGCTGTGTGTGTAAGAAACATGAAATTTGGT 300
Db      241 GACAAAAGACAGGTAAAGAGAACTGCTGTGTGTGTAAGAAACATGAAATTTGGT 300
QY      301 CTCCTACTGTTTGTAGTAAGTATTAATGCGCGGAGATTGCTTATTAATCAATGGGTCA 360
Db      301 CTCCTACTGTTTGTAGTAAGTATTAATGCGCGGAGATTGCTTATTAATCAATGGGTCA 360
QY      361 AGGCTGAAAACTGTATCTTTATTTTTCAGAAAAACATGTCCTGTTTGAAGAAAG 420
Db      361 AGGCTGAAAACTGTATCTTTATTTTTCAGAAAAACATGTCCTGTTTGAAGAAAG 420
QY      421 ATTGTAATGCTGGAATTAACCGAATTTCTATCTGCTGATGACAGAAATTAAGTTG 480
Db      421 ATTGTAATGCTGGAATTAACCGAATTTCTATCTGCTGATGACAGAAATTAAGTTG 480
QY      481 CTTCAGAGGCTTCTAGTTCTGAAGATTCATGCCGCGGAGATTGCTTATTAATCAATGGGTCA 540
Db      481 CTTCAGAGGCTTCTAGTTCTGAAGATTCATGCCGCGGAGATTGCTTATTAATCAATGGGTCA 540
QY      541 AAGTCAACAGTGGGCGCATGTGTGTCTTACTTCAACCTTGTGTATATGATG 600
Db      541 AAGTCAACAGTGGGCGCATGTGTGTCTTACTTCAACCTTGTGTATATGATG 600
QY      601 CAGTTGTAGAGAGACCTCTTCAAAATGATGACTTATTCAAAAAATTCAAAAACATTG 660
Db      601 CAGTTGTAGAGAGACCTCTTCAAAATGATGACTTATTCAAAAAATTCAAAAACATTG 660
QY      661 CCGGATGCTPAACCTGACTTTTATTAATGAATGAATGAACAAAGAAATTAAGATATGA 720
Db      661 CCGGATGCTPAACCTGACTTTTATTAATGAATGAATGAACAAAGAAATTAAGATATGA 720
QY      721 AAGTTATTTTGGTTTCAAAATGAAGAAATGCAATCAAAATCTGATGCTATAGTTG 780
Db      721 AAGTTATTTTGGTTTCAAAATGAAGAAATGCAATCAAAATCTGATGCTATAGTTG 780
QY      781 GAGAACTGTGTGAAATCCATCTTATGCAATCTAAGGCAAAACATGAAAGCCTTATC 840
Db      781 GAGAACTGTGTGAAATCCATCTTATGCAATCTAAGGCAAAACATGAAAGCCTTATC 840
QY      841 CTACTTTTGGCCACAGTACCTTCCAGTGTGCGCACTTTAACAATTGCGATTTTACCGT 900
Db      841 CTACTTTTGGCCACAGTACCTTCCAGTGTGCGCACTTTAACAATTGCGATTTTACCGT 900
QY      901 AGCAATCCAGAACAGATTATGAATTCACAAATCAAAAGTTTGCACAGAAATTCAGAG 960
Db      901 AGCAATCCAGAACAGATTATGAATTCACAAATCAAAAGTTTGCACAGAAATTCAGAG 960

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QY 961 CACTGCATGTTGAGCCAGCTTATTGGCATATCGAATGCTGATGATTACATAGATCG 1017  
 DB 961 CACTGCATGTTGAGCCAGCTTATTGGCATATCGAATGCTGATGATTACATAGATCG 1017

RESULT 3  
 US-09-802-371-1  
 ; Sequence 1, Application US/09802371  
 ; Patent No. US20010036649A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Meyers, Rachel  
 ; APPLICANT: Rudolph-Owen, Laura  
 ; TITLE OF INVENTION: 26934, A No. US20010036649A1 Cytidine Deaminase-Like  
 ; TITLE OF INVENTION: Molecule and Uses Thereof  
 ; FILE REFERENCE: 35800/213921  
 ; CURRENT APPLICATION NUMBER: US/09/802,371  
 ; CURRENT FILING DATE: 2001-03-09  
 ; PRIOR APPLICATION NUMBER: 60/188,294  
 ; PRIOR FILING DATE: 2000-03-10  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 1  
 ; LENGTH: 1585  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (149) ... (1165)  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1) ... (1585)  
 ; OTHER INFORMATION: n = A,T,C or G  
 ; US-09-802-371-1

Query Match 100.0%; Score 1017; DB 3; Length 1585;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-250;  
 Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGCGGTCAATCAGC 60  
 DB 149 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGCGGTCAATCAGC 208

QY 61 ACCGACCTGCGACATGACCGGTGCAATGCCAAGGCTTTTAAAGTCAACCTTTTCACT 120  
 DB 209 ACCGACCTGCGACATGACCGGTGCAATGCCAAGGCTTTTAAAGTCAACCTTTTCACT 268

QY 121 CTGCTCAGCTCTGATGAGCTCTTCCAGAGAGCCGAGGCGGAGAAATCTCAGAA 180  
 DB 269 CTGCTCAGCTCTGATGAGCTCTTCCAGAGAGCCGAGGCGGAGAAATCTCAGAA 328

QY 181 AATGAAGAGGAAAGCATGACCTTATGAGATATGAAAGAGACCAAGATATCTACT 240  
 DB 329 AATGAAGAGGAAAGCATGACCTTATGAGATATGAAAGAGACCAAGATATCTACT 388

QY 241 GACAAAAGACAGGTAAAGAGAACTGCTCTTGTGTGTGTAATAAATTTGCTGT 300  
 DB 389 GACAAAAGACAGGTAAAGAGAACTGCTCTTGTGTGTGTAATAAATTTGCTGT 448

QY 301 CTCACATGTTCTAGTAAAGATTACATGCGGCGAGATGCTCTTATTAACATGGGTCA 360  
 DB 449 CTCACATGTTCTAGTAAAGATTACATGCGGCGAGATGCTCTTATTAACATGGGTCA 508

QY 361 AGGCTGAAAACTGTATCTTTATTTTCCAGAAAACATGTTCTGCTTTTGAATAATG 420  
 DB 509 AGGCTGAAAACTGTATCTTTATTTTCCAGAAAACATGTTCTGCTTTTGAATAATG 568

QY 421 ATTGTAATGCTGAGATTAACCAATTTCTACTGCGCTGCTATATCCAGAAAATTTTG 480  
 DB 569 ATTGTAATGCTGAGATTAACCAATTTCTACTGCGCTGCTATATCCAGAAAATTTTG 628

QY 481 CTTAAGAGAGGCTCTAGTTCTGAGATGCAAAAGTTAGATCCAAAGCAGTGAAGATTTG 540  
 DB 629 CTTAAGAGAGGCTCTAGTTCTGAGATGCAAAAGTTAGATCCAAAGCAGTGAAGATTTG 688

QY 541 AAGTCAAAACGTGGGCCCCAGTGTGTGCTTACTTCAACCTTTGGTGTATATAGTG 600  
 DB 689 AAGTCAAAACGTGGGCCCCAGTGTGTGCTTACTTCAACCTTTGGTGTATATAGTG 748

QY 601 CAGTTTGTAGAGAGACCTCTTACAAATGTGACTTTATCAAAAAATTAACAAACATTG 660  
 DB 749 CAGTTTGTAGAGAGACCTCTTACAAATGTGACTTTATCAAAAAATTAACAAACATTG 808

QY 661 CCGATGCTAACACTGACTTTTATATGATGTAAACAAAGAAAGATTAAGATTTGAA 720  
 DB 809 CCGATGCTAACACTGACTTTTATATGATGTAAACAAAGAAAGATTAAGATTTGAA 868

QY 721 AAGTATTTTGTGTTTCAAAATGAAGAAAGCAATTAAGCAATCTGATGCTATAGTTTG 780  
 DB 869 AAGTATTTTGTGTTTCAAAATGAAGAAAGCAATTAAGCAATCTGATGCTATAGTTTG 928

QY 781 GAGAACTGTGTGAATATCCATCTTATAGCAATCTTAAGCAAAACATGAAGACCTTATC 840  
 DB 929 GAGAACTGTGTGAATATCCATCTTATAGCAATCTTAAGCAAAACATGAAGACCTTATC 988

QY 841 CTACTTTTGGCCAGATGACTTCCAGTGTGCGAACTTTAAACATTGCGATTTTACCGT 900  
 DB 989 CTACTTTTGGCCAGATGACTTCCAGTGTGCGAACTTTTAAACATTGCGATTTTACCGT 1048

QY 901 AGCAATCCAGAAACATTTATGAAATTCACATCAAAAGTTTCCACAGAAATTTGCAAG 960  
 DB 1049 AGCAATCCAGAAACATTTATGAAATTCACATCAAAAGTTTCCACAGAAATTTGCAAG 1108

QY 961 CACTGCATGTTGAGCCAGCTTATTGGCATATCGAATGCTGATGATTACATAGATCG 1017  
 DB 1109 CACTGCATGTTGAGCCAGCTTATTGGCATATCGAATGCTGATGATTACATAGATCG 1165

RESULT 4  
 US-10-785-135-1  
 ; Sequence 1, Application US/10785135  
 ; Publication No. US20040142375A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Meyers, Rachel  
 ; APPLICANT: Rudolph-Owen, Laura  
 ; TITLE OF INVENTION: 26934, A Novel Cytidine Deaminase-Like  
 ; TITLE OF INVENTION: Molecule and Uses Thereof  
 ; FILE REFERENCE: 35800/213921  
 ; CURRENT APPLICATION NUMBER: US/10/785,135  
 ; CURRENT FILING DATE: 2004-02-24  
 ; PRIOR APPLICATION NUMBER: US/09/802,371  
 ; PRIOR FILING DATE: 2001-03-09  
 ; PRIOR APPLICATION NUMBER: 60/188,294  
 ; PRIOR FILING DATE: 2000-03-10  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 1  
 ; LENGTH: 1585  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (149) ... (1165)  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1) ... (1585)  
 ; OTHER INFORMATION: n = A,T,C or G  
 ; US-10-785-135-1

Query Match 100.0%; Score 1017; DB 8; Length 1585;  
 Best Local Similarity 100.0%; Pred. No. 5.8e-250;  
 Matches 1017; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTCAATCAGC 60  
 DB 149 ATGAAAGAGCTGGGAGATGCAAAATCTGAGAGCGCGAGCGCGGTCAATCAGC 208

QY 61 ACCGAGCTGGCGATGACCGGTGAGATACCAAGCTTTCTAAGTCAAACCTTTTCACT 120  
 DB 209 ACCGAGCTGGCGAGATGACCGGTGAGATACCAAGCTTTCTAAGTCAAACCTTTTCACT 268  
 QY 121 CTGCTAGGCTCTGGATGAGCTCTTCCAGCAGAAAGCCAGGCGGAAAAATCTCAGAAA 180  
 DB 269 CTGCTAGGCTCTGGATGAGCTCTTCCAGCAGAAAGCCAGGCGGAAAAATCTCAGAAA 328  
 QY 181 AATGAAGAGGAAAGCATGAGACCTTATGAGATATGAAAGAGAGACAGAGATATCTACT 240  
 DB 329 AATGAAGAGGAAAGCATGAGACCTTATGAGATATGAAAGAGAGACAGAGATATCTACT 388  
 QY 241 GACAAAAGCAGGTAAAGAGAACTGCTCTGTGTGTGTGAAAAAATGTAATAATTTGTGT 300  
 DB 389 GACAAAAGCAGGTAAAGAGAACTGCTGTGTGTGTGAAAAAATGTAATAATTTGTGT 448  
 QY 301 CTCCTAGTCTTGTAGAAATTTACATGCGCGGCAATGCTCTTTTAAACATGGGTCA 360  
 DB 449 CTCCTAGTCTTGTAGAAATTTACATGCGCGGCAATGCTCTTTTAAACATGGGTCA 508  
 QY 361 AGGCTGAAAAAATGTGATCTTTATTTTTCAGAAAAACATGTTCTGCTTTGAAAAATG 420  
 DB 509 AGGCTGAAAAAATGTGATCTTTATTTTTCAGAAAAACATGTTCTGCTTTGAAAAATG 568  
 QY 421 ATTGTAAATGCTGAGTTAACCAATTTTCACTGCGCTGCTGATCCAGAAATAGTTTG 480  
 DB 569 ATTGTAAATGCTGAGTTAACCAATTTTCACTGCGCTGCTGATCCAGAAATAGTTTG 628  
 QY 481 CTGAGGAGGCTCTAGTCTGAAAGATGCAAAATGATGATGCAAGCAGTGGAAAGATTG 540  
 DB 629 CTGAGGAGGCTCTAGTCTGAAAGATGCAAAATGATGATGCAAGCAGTGGAAAGATTG 688  
 QY 541 AAGTCAAAAGTGGGCGCCATGATGATCTTCACTTCAACCTTTGTGTATATATGATG 600  
 DB 689 AAGTCAAAAGTGGGCGCCATGATGATGATCTTCAACCTTTGTGTATATATGATG 748  
 QY 601 CAGTTGTGAGAGAGACCTCTTCAATGATGATGATTTTCAAAAAATTTCAAAAAATTTG 660  
 DB 749 CAGTTGTGAGAGAGACCTCTTCAATGATGATGATTTTCAAAAAATTTCAAAAAATTTG 808  
 QY 661 CCGGATGCTAACCTGATCTTTATTTATGATGATGATGATGATGATGATGATGATG 720  
 DB 809 CCGGATGCTAACCTGATCTTTATTTATGATGATGATGATGATGATGATGATGATG 868  
 QY 721 ATGTATATTTTGTGTTCAATGAAAGATGATGATGATGATGATGATGATGATG 780  
 DB 869 ATGTATATTTTGTGTTCAATGAAAGATGATGATGATGATGATGATGATGATG 928  
 QY 781 GAGAACCTGTGTAATAATCTATCTTAGCAATCTTAGCAAAACATGAAAGCTTATG 840  
 DB 929 GAGAACCTGTGTGTAATAATCTATCTTAGCAATCTTAGCAAAACATGAAAGCTTATG 988  
 QY 841 CTACTTTTGGCCACAGTAGCTTCCAGTGTGCGAACTTTTAAACATCTGATTTTACCT 900  
 DB 989 CTACTTTTGGCCACAGTAGCTTCCAGTGTGCGAACTTTTAAACATCTGATTTTACCT 1048  
 QY 901 AGCAATCCAGAAAGATTAATGAAATTCACATCAAAAGTTTGCACAGAAATTTGCAAG 960  
 DB 1049 AGCAATCCAGAAAGATTAATGAAATTCACATCAAAAGTTTGCACAGAAATTTGCAAG 1108  
 QY 961 CACTGATGCTTCAAGCCAGGTTATTTGCAATGCAATCTGTGATTAATGATG 1017  
 DB 1109 CACTGATGCTTCAAGCCAGGTTATTTGCAATGCAATCTGTGATTAATGATG 1165

## RESULT 5

US-09-822-846-332  
 ; Sequence 332, Application US/09822846  
 ; Publication No. US20030027139A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jacobs, Kenneth  
 ; APPLICANT: McCoy, John M.  
 ; APPLICANT: Lavallie, Edward R.

; APPLICANT: Collins-Racie, Lisa A.  
 ; APPLICANT: Evans, Cheryl  
 ; APPLICANT: Meiberg, David  
 ; APPLICANT: Treacy, Maurice  
 ; APPLICANT: Agostino, Michael J.  
 ; APPLICANT: Steinger II, Robert J.  
 ; APPLICANT: Bowman, Michael R.  
 ; APPLICANT: Spaulding, Vikki  
 ; APPLICANT: Wong, Gordon G.  
 ; APPLICANT: Clark, Hilary  
 ; APPLICANT: Fechtel, Kim  
 ; APPLICANT: Howes, Steven H.  
 ; APPLICANT: Resnick, Richard J.  
 ; APPLICANT: Gulukota, Kamalakara  
 ; APPLICANT: Graham, James R.  
 ; APPLICANT: Genetics Institute, Inc.  
 ; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS  
 ; FILE REFERENCE: GIN 6400  
 ; CURRENT FILING DATE: 2001-03-29  
 ; PRIOR APPLICATION NUMBER: 60/195,605  
 ; PRIOR FILING DATE: 2000-04-06  
 ; NUMBER OF SEQ ID NOS: 629  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO: 332  
 ; LENGTH: 2029  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-09-822-846-332

Query Match 63.6% Score 646.6; DB 3; Length 2029;

Best Local Similarity 99.4%; Pred. No. 7.8e-155; Matches 649; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 352 CATGGGTCAAGGCTGAAAAAATGATGATCTTATTTTCCAGAAAAACATGTTCTGCTGT 411  
 DB 1 CATGGGTCAAGGCTGAAAAAATGATGATCTTATTTTCCAGAAAAACATGTTCTGCTGT 60  
 QY 412 TTGAAAATGATTTGTAATGCTGAGATTAACCAATTTTCACTAGCCCTGCTGATCCAGAA 471  
 DB 61 TTGAAAATGATTTGTAATGCTGAGATTAACCAATTTTCACTAGCCCTGCTGATCCAGAA 120  
 QY 472 ATAGTTTGTCTTACGAGGCTCTAGTCTGAAAGATGCAAAATGATGATGATGATGATG 531  
 DB 121 ATAGTTTGTCTTACGAGGCTCTAGTCTGAAAGATGCAAAATGATGATGATGATGATG 180  
 QY 532 GAAAGATTGAAGTCAAAAGTGGGCGCCATGATGATGATGATGATGATGATGATG 591  
 DB 181 GAAAGATTGAAGTCAAAAGTGGGCGCCATGATGATGATGATGATGATGATGATG 240  
 QY 592 TATATGCTGAGTTTGTGAGAGAGACCTTCAAAATGATGATGATGATGATGATGATG 651  
 DB 241 TATATGCTGAGTTTGTGAGAGAGACCTTCAAAATGATGATGATGATGATGATGATG 300  
 QY 652 AAAACATTGCGGAGTCTAACCTGATCTTTATTTATGATGATGATGATGATGATG 711  
 DB 301 AAAACATTGCGGAGTCTAACCTGATCTTTATTTATGATGATGATGATGATGATG 360  
 QY 712 GAATATGAATGTTATTTTGTGTTCAATGAAAGATGATGATGATGATGATGATGATG 771  
 DB 361 GAATATGAATGTTATTTTGTGTTCAATGAAAGATGATGATGATGATGATGATGATG 420  
 QY 772 ATAGTTTGAAGAACCTGTGTGAAAAATCTATCTTTAGCAATCTTAAGCAAAACATGAAA 831  
 DB 421 ATAGTTTGAAGAACCTGTGTGAAAAATCTATCTTTAGCAATCTTAAGCAAAACATGAAA 480  
 QY 832 GACCTTATCTACTTTTGGCCACAGTAGCTTCCAGTGTGCGAACTTTTAAACATCTGCGA 891  
 DB 481 GACCTTATCTACTTTTGGCCACAGTAGCTTCCAGTGTGCGAACTTTTAAACATCTGCGA 540  
 QY 892 TTTTACCGTAGCAATCCAGAAAGATTAATGAAATTCACATCAAAAGTTTGCACAGAAA 951  
 DB 541 TTTTACCGTAGCAATCCAGAAAGATTAATGAAATTCACATCAAAAGTTTGCACAGAAA 600



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Oy      361 AGCGTGAACCACTGATCTTTATTTTCCAGAAAACC 398
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Db      484 AGCGTGAACCACTGATCTTTATTTTCCAGAAAACM 521

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RESULT 8
US-11-021-492-515
Sequence 515, Application US/11021492
Publication NO. US20060031947A1
GENERAL INFORMATION:
APPLICANT: Abuin, Alejandro
APPLICANT: Zambrowicz, Brian
APPLICANT: Sands, Arthur T.
TITLE OF INVENTION: Novel Mutated Mammalian Cells and
TITLE OF INVENTION: Animals
FILE REFERENCE: LEX-0368-USA
CURRENT APPLICATION NUMBER: US/11/021,492
CURRENT FILING DATE: 2004-12-23
PRIOR APPLICATION NUMBER: US 60/307,670
PRIOR FILING DATE: 2001-07-25
NUMBER OF SEQ ID NOS: 698
SOFTWARE: PasteSeq for Windows Version 4.0
SEQ ID NO 515
LENGTH: 489
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: misc feature
LOCATION: 183_206
OTHER INFORMATION: n = A,T,C or G
US-11-021-492-515

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Query Match	36.2%	Score 368.4	DB 16	Length 489
Best Local Similarity	89.7%	Pred. No. 9.5e-84		
Matches 429; Conservative	0	Mismatches 46	Inbels 3	Gaps 3

Oy	251	AGGTAAAGAGAACTGTCGCTCTTGCGGCGTGAAAAACAATGAAATTTGTCCTCCACTGT	310
Db	3	AGGTGACAAAACTGCGCTCTTGCGGCGTG-AAAAATGAAAGTCAATGGCTCTTCACTGCT	61
Oy	311	CTAGTGAAGATTATCATGCCGGCGAGATGCTCTTATTAAACATGGGCTCAAGCGCTGAAAA	370
Db	62	CCAATGAAGAATTACATACATGGGCAAAATTCCTCATTAAGCATGGGCTCAGCTGAAAA	121
Oy	371	ACTGTGATCTTTATTTTCCAGAAAAACATGTTCTGCTTGTTGAAAAATGATTGTAATG	430
Db	122	ACTGTGATCTTTATTTTCCAGAAAAACATGTTCTGCTTGTTGAAAAATGAAATGAATG	181
Oy	431	C-TGGAGTTAACCGAATTTCACTAC-TGGCGTCTGATCCAGAAATTAAGTTGCTTACGGA	488
Db	182	CNTGAGTTAACCGAATTTCTTACATGGGCTTCTACCCAGAAATTAAGTTGCTCACTGA	241
Oy	489	GGCTTCTAGTTCGTGAAGATGCAAAGTTAGATGCCAAAGCATGTGAAGAATGAAGTCAAA	548
Db	242	AGCTTCATGTTCTGGAAGATGCAAACCTAGATCCAAAGCGCAGAAAAAGTTAAGTCAAA	301
Oy	549	CAGTCGGGCCATGTCGTGTCCTTACCTCAACCTTGGTGTATATATGTCAGATGCT	608
Db	302	CAGCGGGGCCATGTCGTGTCCTTACCTCAGCGCTTGGTGTATATATGTCAGATGCT	361
Oy	609	AGAGAGACCTCTTACAAATGATGACTTTATTCAAAAAATTACAAAAACATTCGCGGATGC	668
Db	362	GGAGGAACCTCTTACAAATGATGACTTTATTCAAAAAATTGCAAAAGCGTTCGCGGATGC	421
Oy	669	TAACTGACTTTTATTTATGATGTAAACAGAAAGATTAAGAATATGAAATGTGA	726
Db	422	TGACACTAATTTTATTTCTGAATGTAAACAGAAAGATTAAGAATATGAAATGTGA	479

RESULT 9  
US-09-983-802-25  
; Sequence 25, Application US/09983802

Publication No. US20030022185A1			
GENERAL INFORMATION:			
Applicant: Fischer et al.			
TITLE OF INVENTION: 123 Human Secreted Proteins			
FILE REFERENCE: P2010P1			
CURRENT FILING DATE: 2001-10-25			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/227,357			
PRIOR FILING DATE: EARLIER FILING DATE: 1999-01-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/US98/13684			
PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-07			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,926			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,793			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,925			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,929			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,803			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,732			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,931			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,932			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,916			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,930			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,918			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,920			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,733			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,795			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,919			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,928			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,722			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18			
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18			
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18			
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18			
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18			
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18			
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18			
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,984			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,954			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,785			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,664			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12			
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,660			
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12			

PRIOR FILING DATE: 1997-09-12  
 PRIOR APPLICATION NUMBER: 60/058,660  
 PRIOR FILING DATE: 1997-09-12



PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
NUMBER OF SEQ ID NOS: 672  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 25  
LENGTH: 1555  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (1248)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (1389)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (1391)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (1393)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (1396)  
OTHER INFORMATION: n equals a,t,g, or c  
NAME/KEY: SITE  
LOCATION: (1551)  
OTHER INFORMATION: n equals a,t,g, or c  
US-09-983-802-25

Query Match 28.9%; Score 294; DB 3; Length 1555;  
Best Local Similarity 95.2%; Pred. No. 2,2e-64;  
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

412 TTGAATGATGTTGAATGCTGAGTTAACCAATTCAGCTGCTGATCCAGAA 471  
1209 TTTTATGATGATGAGAGCTGAGTGAACCAATTCAGCTGCTGATCCAGAA 1268  
472 ATAAAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAGTTAGTCCAAAGCAGTG 531  
1269 ATAAAGTTGCTTACGAGGCTTCTAGTTCTGAAGATGCAAGTTAGTCCAAAGCAGTG 1328  
532 GAAAGTTGAGTCAAAACAGTCCGCGCCATGCTGCTTACTTCAACCTTGGTGTGT 591  
1329 GAAAGTTGAGTCAAAACAGTCCGCGCCATGCTGCTTACTTCAACCTTGGTGTGT 1388  
592 TATATGTCGAGTTTGAAGAGGAGACCTCTTCAAAATGACCTTATCAAAAATTACA 651  
1389 NANANGAGCAGTTTGAAGAGGAGACCTCTTCAAAATGACCTTATCAAAAATTACA 1448  
652 AAAACATTCGCGGATCTTAACACTGCTTATATGATGATGAACAGAAAGATPAAA 711  
1449 AAAACATTCGCGGATCTTAACACTGCTTATATGATGATGAACAGAAAGATPAAA 1508  
712 GAATATGAATGTTA 726  
1509 GAATATGAATGTTA 1523

RESULT 10  
US-09-984-490-25  
Sequence 25, Application US/09984490  
Publication No. US20030064412A1  
GENERAL INFORMATION:  
APPLICANT: Fischer et al.  
TITLE OF INVENTION: 123 Human Secreted Proteins  
FILE REFERENCE: P2010P1  
CURRENT APPLICATION NUMBER: US/09/984,490  
PRIOR FILING DATE: 2001-10-30  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/227,357  
PRIOR FILING DATE: EARLIER FILING DATE: 1999-01-08  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCR/US98/13684  
PRIOR FILING DATE: EARLIER FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,926

PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,793  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,925  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,929  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,803  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/052,732  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,931  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
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PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/051,918  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-07-08  
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,723  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,948  
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PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,950  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,947  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,964  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
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PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,684  
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PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/055,954  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-18  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,785  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,664  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,660  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/058,661  
PRIOR FILING DATE: EARLIER FILING DATE: 1997-09-12  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 25  
LENGTH: 1555  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (1248)  
OTHER INFORMATION: n equals a,t,g, or c



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; NAME/KEY: SITE
; LOCATION: (1389)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (1391)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
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; NAME/KEY: SITE
; LOCATION: (1396)
; OTHER INFORMATION: n equals a,t,g, or c
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; LOCATION: (1551)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-984-490-25

Query Match      28 9%; Score 294; DB 3; Length 1555;
Best Local Similarity 95.2%; Pred. No. 2,2e-64;
Matches 300; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

QY 412 TTGAAATGATGTGTAATGCTGAGTGAACGAAATTTGATGCGCTGTCGATCAGAA 471
Db 1209 TTTTAAATGATGAGAGAGCTGAGTGAACCGAAATTTGATGCGCTGTCGATCAGAA 1268
QY 472 ATAACTTGTCTTACCGAGGCTTCTAGTCTGAAAGTGAAGTGAATGCCAAAGCAGTG 531
Db 1269 ATAACTTGTCTTACCGAGGCTTCTAGTCTGAAAGTGAAGTGAATGCCAAAGCAGTG 1328
QY 532 GAAAGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 591
Db 1329 GAAAGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1388
QY 592 TATAATGTCAGTGTGTGAGAGAGACCTTTACAATGTAAGTCTTATTTCAAAAAATTACA 651
Db 1389 NANANGGAGCAAGTGTGTGAGAGAGACCTTTACAATGTAAGTCTTATTTCAAAAAATTACA 1448
QY 652 AAAACATTCGCGAGTGTCTTACCTGATCTTATTTATGAAATGAAGTGAAGTGAAGTGA 711
Db 1449 AAAACATTCGCGAGTGTCTTACCTGATCTTATTTATGAAATGAAGTGAAGTGAAGTGA 1508
QY 712 GAATATGAAATGTGA 726
Db 1509 GAATATGAAATGTGA 1523

RESULT 11.
US-09-973-278-37
; Sequence 37, Application US/09973278
; Publication No. US20040044191A1
; GENERAL INFORMATION:
; APPLICANT: Fischer et al.
; TITLE OF INVENTION: 123 Human Secreted Proteins
; FILE REFERENCE: P2010P2
; CURRENT APPLICATION NUMBER: US/09/973,278
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: 60/239,899
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 09/227,357
; PRIOR FILING DATE: 1999-01-08
; PRIOR APPLICATION NUMBER: PCT/US98/13684
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/051,926
; PRIOR FILING DATE: 1997-07-08
; PRIOR APPLICATION NUMBER: 60/052,793
; PRIOR FILING DATE: 1997-07-08
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; PRIOR APPLICATION NUMBER: 60/052,732
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; PRIOR APPLICATION NUMBER: 60/058,785
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,664
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,660
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,661
; PRIOR FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 947
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 37
; LENGTH: 1555
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1248)..(1248)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (1389)..(1389)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (1391)..(1391)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (1393)..(1393)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
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Query Match 25.0%; Score 254; DB 3; Length 562;  
 Best Local Similarity 87.1%; Pred. No. 2.4e-54;  
 Matches 377; Conservative 0; Mismatches 41; Indels 15; Gaps 9;

QY 1 ATGAAGAAGCTGGGAGATGCAAAATCTGGAGACCGGAGGCGCGGCGGCTGAGTACG 60  
 DB 111 ATGAAGAAGCTGGGAGATGCAAAATCTGGAGACCGGAGGCGCGGCGGCTGAGTACG 170  
 QY 61 ACCGAGCTGGAGATGACCGGTCAGATACCAAGGCTTTTAAAGTCAACCTTTCACT 120  
 DB 171 ACCGAGCTGGAGATGACCGGTCAGATACCAAGGCTTTTAAAGTCAACCTTTCACT 230  
 QY 121 CTGCTACGCTTGTGATGAGAGCTCTTTCCAGAGAGCCGAGGCAAAATCTCAGAA 180  
 DB 231 CTGCTACGCTTGTGATGAGAGCTCTTTCCAGAGAGCCGAGGCAAAATCTCAGAA 290  
 QY 181 AATGAGA--GGGAAGAAGTGAACCTTGAAGATTAAGAA--GAGAGACAGAGTATC 236  
 DB 291 AATGAGAAGGGAAGAAGTGAACCTTGAAGATTAAGAAAGAGAGAGCCAGAGTATC 350  
 QY 237 TACTGAC-AAAAGACAGGTAAAG-AGAACTGGTCTTGTGT-GGTGAAAAACATGAAT 293  
 DB 351 TACTGACAAAAGACAGGTAAAGAACTGGTCTTGTGTGTGTGAGAAAAACATTAAT 410  
 QY 294 TGT-TGGTCTCCACTGTTCT-AGTGAAGATTACATGCCGAGAGATTGCTTTATTA 351  
 DB 411 TGTGAGTGTGACACTGTTCTTCTTGAAGATTACATGCCGAGAGATTGCTTTATN 470  
 QY 352 CA-----TGGGCAAGCTGAAAAAATCTGATCTTTA-TTTTCCAGAAAAACATGTTCT 405  
 DB 471 AAACATGGGGTTAAAGGGCTGAAAAAATCTGATCTTTATTTTCCAAAAACATGTTT 530  
 QY 406 GCTTGTGAAAA 418  
 DB 531 GCTTGTGAAAA 543

## RESULT 14

US-10-242-535A-37272  
 ; Sequence 37272, Application US/10242535A  
 ; Publication No. US20040013663A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ChondroGene Inc.  
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis  
 ; FILE REFERENCE: 4231/2005  
 ; CURRENT APPLICATION NUMBER: US/10/242,535A  
 ; CURRENT FILING DATE: 2002-09-12  
 ; PRIOR APPLICATION NUMBER: US 10/085,783  
 ; PRIOR FILING DATE: 2002-02-28  
 ; PRIOR APPLICATION NUMBER: US 60/305,340  
 ; PRIOR FILING DATE: 2001-07-13  
 ; PRIOR APPLICATION NUMBER: US 60/275,017  
 ; PRIOR FILING DATE: 2001-03-12  
 ; PRIOR APPLICATION NUMBER: US 60/271,955  
 ; PRIOR FILING DATE: 2001-02-28  
 ; NUMBER OF SEQ ID NOS: 58994  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 37272  
 ; LENGTH: 218  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: (20)-(20)  
 ; OTHER INFORMATION: n is a, c, g, or t  
 US-10-242-535A-37272

Query Match 21.3%; Score 217; DB 8; Length 218;  
 Best Local Similarity 99.5%; Pred. No. 4.5e-45;  
 Matches 217; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 508 GCAAAAGTTAGTCCAAAGCAGTGAAGAAAGATTGAAGTCAAAACAGTGGGCCCATGTGTGT 567

DB 1 GCAAAAGTTAGTCCAAAGCAGTGAAGAAAGATTGAAGTCAAAACAGTGGGCCCATGTGTGT 60  
 QY 568 GTCTTACTTCAACCTTTGGTGTGTATATGATGATGATTTGAGAGAGACCTCTTACAA 627  
 DB 61 GTCTTACTTCAACCTTTGGTGTGTATATGATGATTTGAGAGAGACCTCTTACAA 120  
 QY 628 TGTGACTTTATTCAAAAAATTACAAAAACATTCGCGAGTCTAACACTGCTTTATAT 687  
 DB 121 TGTGACTTTATTCAAAAAATTACAAAAACATTCGCGAGTCTAACACTGCTTTATAT 180  
 QY 688 GAATGTAAACAGAAAGAAATTAAGATTAAGAAATGTT 725  
 DB 181 GAATGTAAACAGAAAGAAATTAAGATTAAGAAATGTT 218

## RESULT 15

US-10-085-783A-37272  
 ; Sequence 37272, Application US/10085783A  
 ; Publication No. US20040037841A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ChondroGene Inc.  
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis  
 ; FILE REFERENCE: 4231/2002  
 ; CURRENT APPLICATION NUMBER: US/10/085,783A  
 ; CURRENT FILING DATE: 2002-02-28  
 ; PRIOR APPLICATION NUMBER: US 60/305,340  
 ; PRIOR FILING DATE: 2001-07-13  
 ; PRIOR APPLICATION NUMBER: US 60/275,017  
 ; PRIOR FILING DATE: 2001-03-12  
 ; PRIOR APPLICATION NUMBER: US 60/271,955  
 ; PRIOR FILING DATE: 2001-02-28  
 ; NUMBER OF SEQ ID NOS: 58994  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 37272  
 ; LENGTH: 218  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; LOCATION: (20)-(20)  
 ; OTHER INFORMATION: n is a, c, g, or t  
 US-10-085-783A-37272

Query Match 21.3%; Score 217; DB 8; Length 218;  
 Best Local Similarity 99.5%; Pred. No. 4.5e-45;  
 Matches 217; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 508 GCAAAAGTTAGTCCAAAGCAGTGAAGAAAGATTGAAGTCAAAACAGTGGGCCCATGTGTGT 567  
 DB 1 GCAAAAGTTAGTCCAAAGCAGTGAAGAAAGATTGAAGTCAAAACAGTGGGCCCATGTGTGT 60  
 QY 568 GTCTTACTTCAACCTTTGGTGTGTATATGATGATTTGAGAGAGACCTCTTACAA 627  
 DB 61 GTCTTACTTCAACCTTTGGTGTGTATATGATGATTTGAGAGAGACCTCTTACAA 120  
 QY 628 TGTGACTTTATTCAAAAAATTACAAAAACATTCGCGAGTCTAACACTGCTTTATAT 687  
 DB 121 TGTGACTTTATTCAAAAAATTACAAAAACATTCGCGAGTCTAACACTGCTTTATAT 180  
 QY 688 GAATGTAAACAGAAAGAAATTAAGATTAAGAAATGTT 725  
 DB 181 GAATGTAAACAGAAAGAAATTAAGATTAAGAAATGTT 218

Search completed: September 20, 2006, 04:44:19  
 Job time : 1441.6 secs